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Twenty-Eighth Annual Report

OF THE

Bureau of Labor Statistics

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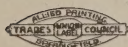
Bureau of Labor Statistics.

M. D. Ratchford,

Columbus, Ohio.

Commissioner.

For the Year 1904



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Twenty-Eighth Annual Report

1910

Bureau of Labor Statistics
Department of Commerce

Joint General Assembly

of the United States

for the Year 1910

Washington, D. C.
1911

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LETTER OF TRANSMITTAL.

STATE OF OHIO, BUREAU OF LABOR STATISTICS,

COLUMBUS, OHIO, Dec. 22, 1904.

To his Excellency, Myron T. Herrick, Governor of Ohio.

SIR:—I have the honor to submit to you, and through you to the General Assembly, the twenty-eighth annual report of the Bureau of Labor Statistics, as required by Section 310 of the Revised Statutes of Ohio.

Very respectfully,

M. D. RATCHFORD,
Commissioner.

STATE OF OHIO.

BUREAU OF LABOR STATISTICS.

HON. M. D. RATCHFORD	Commissioner.
FRANK ASHMAN	Chief Clerk.
NELLIE E. SHEEHAN	Stenographer.
CLARA M. CARMICHAEL	Clerk.
E. C. WELKER	Clerk.
ANNETTE C. ZIMMER	Clerk.

(Copies of this edition can be obtained on application to the Bureau.)

INTRODUCTORY.

In presenting this, the twenty-eighth annual report, which is composed chiefly of an investigation of General Manufactures and Mining, there is indeed a great pleasure and satisfaction in knowing that the subjects chosen are not only subjects of great common interest and concern, but also that the business accounted for in the aggregate, in both branches of inquiry, is most gratifying. In this particular at least, if not in the manner in which the facts obtained are compiled and presented, the report is the fullest and most complete ever published by this Department.

MANUFACTURES.

The manufacturing establishments from which full returns have been received during the year are 7,961, which, compared with the returns of last year show an increase of 2,096, and an increase over the average number of returns received during the last ten years (1893-1902) of 5,034. The number of persons employed, capital invested and value of products all show an increase in about equal proportion as compared with the same period. The only feature of the investigation which tends to show a declining tendency is that relating to wages. The number of wage earners affected by an advance in wages was 62,537, and the average advance was 7.9 per cent. The number so affected in 1902 was 96,257, when the average advance was 9.1 per cent. The number affected by a reduction in wages was 4,267, and the reduction pro rata was 6.5 per cent. The number so affected in 1902 was 895, and the proportion of each was 6.6 per cent. The aggregate wages paid to labor in excess of the amount paid in 1902 was \$15,913,100, which fact is explained by the greatly increased number of wage workers accounted for as compared with that year.

For those very substantial gains, which has done so much to improve and facilitate this branch of the service, and made its reports a standard text book of Ohio's industrial conditions, the Bureau is indebted to the Legislature for the improvement of lax and inefficient laws, to the owners and managers of corporations and properties, and to the present corps of officers and agents for the very efficient services rendered.

COAL MINING.

From the investigations of the Bureau it is very apparent, that the mining of coal has become, and in all probability will continue to remain,

one of the most important industries of the State for many years to come.

The rolling mill products, it is true, show a greater value, as do also the products of foundry and machine shop, finished machinery and clothing; but mining shows a greater number of persons employed and a greater aggregate wages than any of the leading manufacturing industries, excepting the iron industry alone, which, as will be noted from the tables, includes the manufacture of steel, iron and tinplate of all grades and description.

A comparison of the figures with those of last report shows some very decided gains in almost every phase of the inquiry. The number of mines reporting was 575, which is an increase of 42; the number of persons employed, including inside and outside labor of all classes, has increased 6,048; the capital invested shows an increase of \$9,686,445, and the value of the produce has advanced \$4,474,035. There is also an increase shown in the total wages paid of \$3,551,610, or an increase in the average yearly earning per employe of \$55.32. The amount paid for rent, taxes and insurance also has increased by \$297,956 while the average number of days worked shows a falling off of one week.

The slight discrepancy between the general advance in mining of 12.5 per cent., which took effect in April of last year, and the advance as shown by the tables, is explained by the fact that a number of the reports, more especially from the smaller operations, shows some variation from this figure. The results arrived at are compiled from the actual returns received, and the advance shown affects 26,950 persons.

This splendid condition of the industry indeed reflects much credit on both operators and miners alike. A system of annual contracts, covering each field in the State, and bearing a proper relation to every other competing field, has been devised and adopted as a part of their general agreement. Under such system periodical strikes, lockouts and suspensions are less frequent, to the very great advantage of all concerned. The present condition of the industry might be said to be comparatively prosperous, with values fair and business unusually active.

FREE PUBLIC EMPLOYMENT OFFICES.

In reference to the free public employment offices of the State: The laws governing have been amended by the last session of the General Assembly, in some respects, to meet the wishes of the officers in charge.

The number of persons finding employment through those free agencies (five in all), as officially reported to this Bureau for the twelve months ending October 31st last, was 15,563. The total cost of maintenance for the same period, including salaries, was \$12,897, or an average cost of \$0.8287 for each person employed.

There is a growing belief among a great many observing, well-meaning people, that, so far as it is possible to bring about, politics and

political environments should be sufficiently removed from those offices to enable the superintendents in charge to devote their whole time to the duties of their office. With this sentiment the Bureau has no quarrel whatever, and it is hoped that all others who are interested in the success of those agencies will agree that upon this question there is no room for differences. From the nature of the duties of those offices, the closest personal attention is required, and as attention to duty is one of the first requisites to success in any line of business activity, this quality is no less essential on the part of those who find employment for 15,000 to 20,000 people annually, than on the part of employers who utilize this vast army of labor to advantage. In either case strict business rules and principles must apply if the highest and best results are to be obtained.

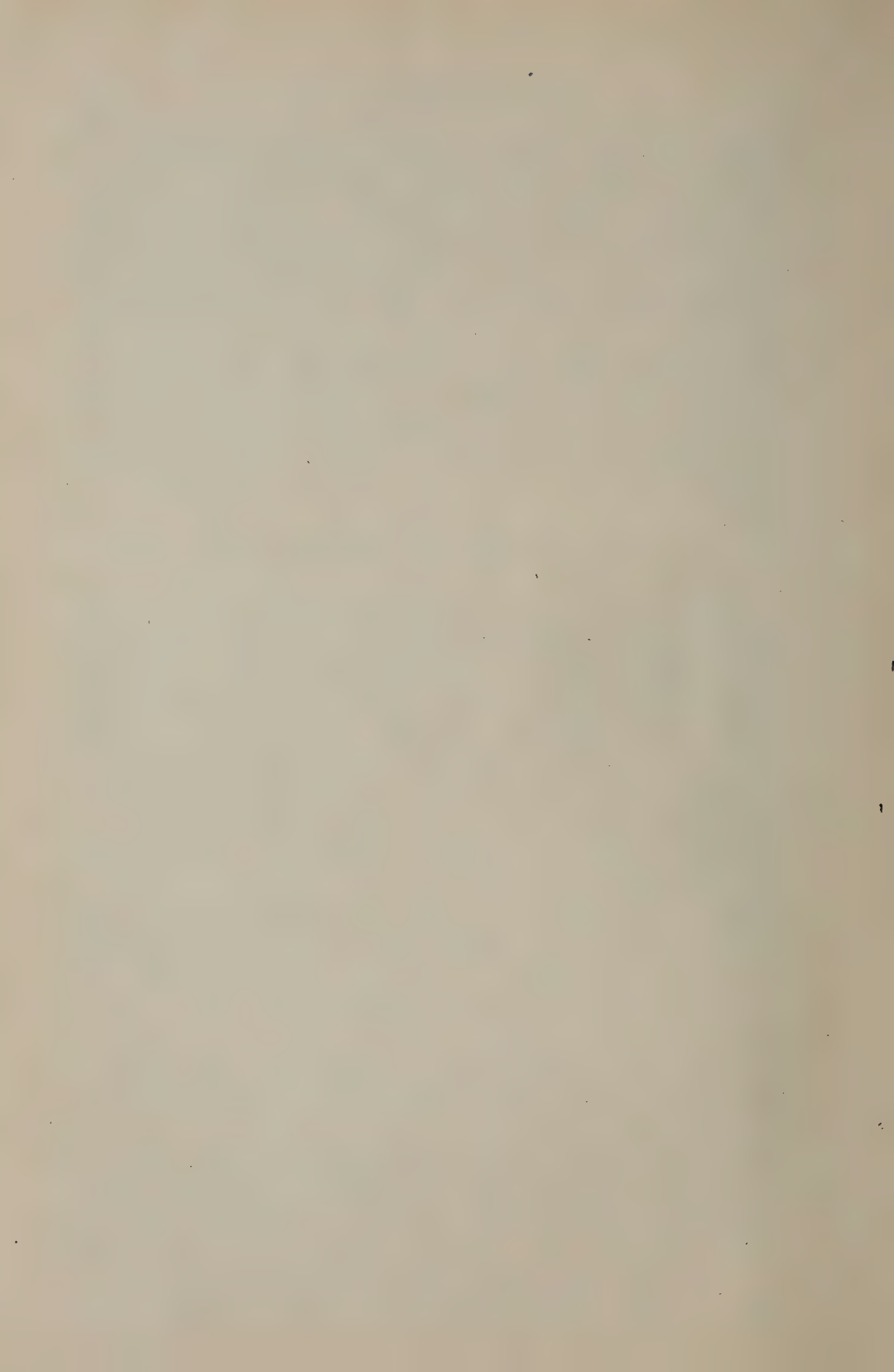
There has been no change in the personnel of the force of those offices since last report.

PRIVATE EMPLOYMENT AGENCIES.

The license law enacted by the last session of the General Assembly, regulating private employment agencies, or rather regulating agencies that are organized and conducting business for profit, and which will be found published elsewhere in this volume, has on the whole proven a most beneficent measure, more especially to those who are obliged to depend upon such agencies for employment. It is to be hoped indeed that such law will not only continue intact and be amended from time to time as occasion may require, but that all violations thereof will be met by prompt action and such punishment as may be justly deserved.

Since the 26th of June last, the date upon which such statute went into effect, licenses have been issued to twenty-one (21) offices, in the following cities: Cleveland, 9; Cincinnati, 7; Columbus, 2; Toledo, 1; Dayton, 1; and Canton, 1. Of the prosecutions instituted against alleged violations, numbering 11 in all, there are five cases still pending awaiting the action of the grand juries of Cuyahoga and Hamilton counties; five others have pleaded guilty, either paying their fine or asking the mercy of the court. In some instances, the fine or a portion of it was remitted. In the remaining case, prosecution was suspended by the Law Department for what was believed to be good and sufficient cause. The revenue derived through the operation of this law to date from all sources, including fees and fines, is \$2,150.

To all who have contributed to this report, the Bureau is desirous of expressing its thanks and appreciation, and more especially to the Chief Executive and his official force for the kind courtesies and consideration always extended.



PART 1.

Laws Governing the Bureau, Recent Labor Laws and
Court Decisions.

LAWS.

Governing the Bureau of Labor Statistics.

SEC. 307. The commissioner of labor statistics shall be appointed by the governor, by and with the advice and consent of the senate, and shall hold his office for two years.

SEC. 308. The commissioner shall have an office in the state house which shall be a bureau of labor statistics, and he shall collect, arrange and systematize all statistics relating to the industrial, social, educational, and sanitary conditions of the laboring classes, and to the productive industries of the state, including the names of firms, companies, or corporations, where located, capital invested in grounds, buildings, and machinery; class and value of goods produced or manufactured; number of days in operation; amount paid yearly, for rent, taxes and insurance; amount paid in wages; number of employes, male and female; number engaged in clerical work and manual labor, with detailed classification of the number and sex engaged in each class or occupation, and the average daily wages paid to each. Said commissioner is authorized to appoint special agents to represent the bureau with authority to visit the delinquent firms and collect such statistics and perform such other duties as may be required, with like power as is conferred by law upon said commissioner; provided, that the compensation of such agents is paid from the contingent fund of the bureau. Said commissioner is hereby authorized and directed, immediately after the passage of this act, to organize and establish in all cities of the first class, and cities of the first and second grade of the second class in the state of Ohio, a free public employment office, and shall appoint one superintendent for each of said offices to discharge the duties hereinafter set forth. Said superintendents shall cause to be posted in front of their said offices on a sign board, or in a suitable place on the building where such offices are located, the words, "Free public employment office." It shall be the duty of such superintendents to receive all applications for labor of those desiring employment and those desiring to employ labor, and record their names in a book kept for that purpose, designating opposite the name of each applicant the character of employment of labor desired, and the address of such applicant. Each of said superintendents shall be provided with such clerical assistance as in the judgment of the commissioner may appear necessary for properly conducting the duties of their several offices.

No compensation or fees shall, directly or indirectly be charged

to or received from any person or persons seeking employment, or any person or persons desiring to employ labor through any of said offices. Said superintendent shall make a weekly report on Thursday of each week to said commissioner of all persons desiring to employ labor, and the class thereof, and all persons applying for employment through their respective offices, and the character of employment desired by each applicant; also, of all persons securing employment through their respective offices, and the character thereof, and a semi-annual report of the expense of maintaining such offices. Said commissioner shall cause to be printed weekly a list of all applicants and the character of employment desired by them, and of those desiring to employ labor, and the class thereof, received by him from the respective offices aforesaid, and cause a true copy of such list on Monday of each week to be mailed to the superintendent of each of said offices in the state, which said list by the superintendent shall be posted immediately, on receipt thereof, in a conspicuous place in his office, subject to the inspection of all persons desiring employment. Said superintendents shall perform such other duties in the collection of labor statistics as said commissioner shall determine. Any superintendent or clerk, as herein provided, who directly or indirectly charges or receives any compensation from any person whomsoever in securing employment or labor for any other person, or persons, as provided in this act, shall be deemed guilty of a misdemeanor, and be fined in any sum not exceeding fifty dollars and imprisoned in the county jail or workhouse not exceeding thirty days. Said superintendent of each of such offices shall receive a salary of twelve hundred dollars per annum, and said clerk shall receive a salary of six hundred dollars per annum, payable monthly. Said salaries shall be paid upon warrant of the auditor of state on the treasurer of state from the state funds through the bureau of labor statistics.

SEC. 308a. The tenure of office for all superintendents and clerks of free public employment offices shall be two years from the date of appointment, but the commissioner of labor statistics shall have the power of removing any of such superintendents and clerks for good and sufficient cause, and all appointments and removals of such superintendents and clerks shall be made with the consent of the governor.

SEC. 309. The commissioner shall have power to send for persons and papers, to examine witnesses under oath, to take depositions, to cause them to be taken by others by law authorized to take depositions; and said commissioner may deputize any uninterested person to serve subpoenas upon witnesses, who shall be summoned in the same manner and paid the same fees as witnesses before a county court, but for this purpose persons are not required to leave the vicinity of their residence or place of business, and any person or owner, operator, manager or lessee of any mine, factory, workshop, warehouse, elevator, foundry, machine shop, manufacturing or other industrial establishment, or any agent or employe

of such owner, operator, manager or lessee who shall refuse said commissioner admission therein for the purpose of inspection, or who shall when requested by him, wilfully neglect or refuse to furnish to him any statistics or other information relative to his lawful duties which may be in their possession or under their control, or who shall wilfully neglect or refuse, for thirty days, to answer such questions by circular or upon personal application, or who shall knowingly answer any such questions untruthfully, or who shall refuse to obey the subpoenas and give testimony according to the provisions of this act shall, for every such wilful neglect or refusal be deemed guilty of a misdemeanor, and upon conviction thereof shall be punished by a fine of not less than fifty nor more than five hundred dollars.

SEC. 310. The commissioner shall make an annual report to the general assembly of the work done by the bureau. Said report shall be so compiled so as not to expose, without written consent, the name or private affairs of any person, firm, company or corporation that has furnished such information as the bureau requires.

AN ACT.

To amend sections 308 and 308a of the Revised Statutes of Ohio, relating to the duties of the commissioner of labor statistics, the appointment, duties and compensation of superintendents and clerks of free public employment offices.

Be it enacted by the General Assembly of the State of Ohio:

SECTION I. That sections 308 and 308a of the Revised Statutes of Ohio, be amended so as to read as follows:

Sec. 308. The commissioner shall have an office in the state house which shall be a bureau of labor statistics, and he shall collect arrange and systematize all statistics relating to the industrial, social, educational and sanitary conditions of the laboring classes, and to the productive industries of the state, including the names of firms, companies, or corporations, where located, capital invested in grounds, buildings, and machinery; class and value of goods produced or manufactured; number of days in operation; amount paid yearly for rent, taxes and insurance; amount paid in wages; number of employes, male and female; number engaged in clerical work and manual labor, with detailed classification of the number and sex engaged in each class or occupation, and the average daily wages paid to each.

Said commissioner is authorized to appoint special agents to represent the bureau with authority to visit the delinquent firms and collect such statistics, and perform such other duties as may be required, with like

power as is conferred by law upon said commissioner; provided, that the compensation of such agents is paid from the contingent fund of the bureau. For the purpose of carrying out the provisions of this act, the state is hereby divided into five districts, the boundaries of which shall be designated by the governor and said commissioner and the governor and said commissioner shall appoint one superintendent for each of said districts to discharge the duties hereinafter set forth. Said superintendents shall cause to be posted in front of their said offices, on a sign board, or in a suitable place on the building where such offices are located, the words, "Free Public Employment Office."

It shall be the duty of such superintendents to receive all applications for labor of those desiring employment and those desiring to employ labor, and record their names in a book kept for that purpose, designating opposite the name of each applicant the character of employment or labor desired, and the name of such applicant. Each of said superintendents shall be provided with a clerk if in the judgment of the commissioner the same may appear necessary for properly conducting the duties of their several offices.

No compensation or fee shall, directly or indirectly, be charged to or received from any person or persons seeking employment or any person or persons desiring to employ labor through any of said offices. Said superintendent shall make a weekly report on Thursday of each week to said commissioner of all persons desiring to employ labor, and the class thereof, and all persons applying for employment through their respective offices, and the character of employment desired by each applicant; also, of all persons securing employment through their respective offices, and the character thereof, and a semi-annual report of the expense of maintaining such offices. Said commissioner shall cause to be printed weekly a list of all applicants and the characters of employment desired by them, and of those desiring to employ labor, and the class thereof, received by him from the respective offices aforesaid, and cause a true copy of such list on Monday of each week to be mailed to the superintendent of each of said offices in the state, which said list by the superintendent shall be posted immediately on receipt thereof, in a conspicuous place in his office, subject to the inspection of all persons desiring employment. Said superintendents shall perform such other duties in the collection of labor statistics as said commissioner shall determine. Any superintendent or clerk, as herein provided, who directly or indirectly charges or receives any compensation from any person whomsoever in securing employment or labor for any other person, or persons, as provided in this act, shall be deemed guilty of a misdemeanor, and be fined in any sum not exceeding fifty dollars and imprisoned in the county jail or workhouse not exceeding thirty days.

Said superintendent of each of such offices shall receive a salary of fifteen hundred dollars per annum, and said clerk shall receive a salary of

seven hundred and twenty dollars per annum, payable monthly. Said salaries shall be paid upon warrant of the auditor of state on the treasurer of state from the state funds through the bureau of labor statistics.

Sec. 308a. The tenure of office for all superintendents of free public employment offices shall be two years from the date of appointment, but the commissioner of labor statistics shall have the power, by and with the consent of the governor, of removing any of such superintendents for good and sufficient cause. The clerk allowed in any free public employment office shall be appointed by the superintendent of the respective office, when approved by said commissioner, and shall serve during the pleasure of the superintendent; provided, however, that all superintendents and clerks now in office shall remain in office until the expiration of their present terms, unless sooner removed by the governor and commissioner for good cause shown, which power is hereby given the governor and said commissioner, and in case of such a removal, and at the end of the present terms of superintendents or clerks, their successors shall be appointed as herein provided.

SECTION 2. That said section 308 and 308a, of the Revised Statutes of Ohio be and the same are hereby repealed.

HOLLIS C. JOHNSTON,

Speaker pro tem. of the House of Representatives.

W. G. HARDING,

President of the Senate.

Passed April 14, 1904.

Approved April 19, 1904.

MYRON T. HERRICK.

Governor.

EXAMINATION OF STATIONARY ENGINEERS.

97 O. L., 28.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. That sections 6, 7, 8 and 9 of an act entitled, "An act for the better protection of life and property against injury or damage, resulting from the operation of steam engines and boilers by incompetent engineers and others, and to repeal an act therein named," passed March 1, 1900 (94 O. L., 33), as amended March 13, 1902 (95 O. L., 48) and April 30, 1902 (95 O. L., 333), be amended so as to read as follows:

(4364-89q) Sec. 6. Any person who desires to act as a steam engineer shall make application to the district examiner of steam engineers

for a license so to act, upon a blank furnished by the examiner, and shall successfully pass an examination upon the following subjects; the construction and operation of steam boilers, steam engines, and steam pumps, and also hydraulics, under such rules and regulations as may be adopted by the chief examiner, which rules and regulations, and standard of examination, shall be uniform throughout the state. If, upon such examination, the applicant is found proficient in said subjects a license shall be granted him to have charge of and operate stationary steam boilers and engines of the horse power named in this act. Such license shall continue in force for one year from the date the same is issued, provided, however, the district examiner may, upon written charges, after notice and hearing, revoke the license of any person guilty of fraud in passing the examination, or who has become insane or who is addicted to the liquor or drug habit to such a degree as to render him unfit to discharge the duties of steam engineer.

(4364-89r) Sec. 7. Any person to whom a license is issued under the provisions of this act shall upon application at the expiration of one year from the date thereof be entitled to a renewal thereof for one year, unless the district examiner of his district for the cause or causes set out in section 6 of this act, upon notice and hearing, should refuse such renewal.

(4364-89s) Sec. 8. The fee for examination of applicants for license shall be two dollars (\$2), to be paid at the time of application for examination, and two dollars, (\$2) for each renewal of license. All fees collected and received by the district examiners from the issue of licenses and the renewal of the same, shall be, on or before the 5th day of each month, remitted to the chief examiner at Columbus, together with a monthly report of the business of their offices. Said chief examiner shall pay into the treasury, to the credit of the general revenue fund, all moneys and fees by him received from the district examiners, and, on or before the 10th day of each month, said chief examiner shall file a monthly report with the governor, of the business of his office and the amount of money received by him and paid into the state treasury.

(4364-89t) Sec. 9. Any person dissatisfied with the action of any district examiner in refusing or revoking a license, or a renewal thereof, may appeal to the chief examiner, who shall investigate the action of said district examiner; if, upon such investigation, said chief examiner finds that the district examiner was justified, for the cause or causes set out in section 6 of this act, in refusing or revoking such license, or renewal thereof, he shall sustain the district examiner in his action; but should said chief examiner find that the district examiner was not justified in refusing or revoking such license, or renewal thereof, he shall order said district examiner to issue a license to the person making the appeal.

SECTION 2. That said sections 6, 7, 8 and 9 of an act entitled, "An act for the better protection of life and property against injury or damage,

resulting from the operation of steam engines and boilers by incompetent engineers and others, and to repeal an act therein named," passed March 1, 1900 (94 O. L., 33), as amended March 13, 1902 (95 O. L., 48) and April 30, 1902 (95 O. L., 333); and Sec. 4364-89*q*, be and the same are hereby repealed.

SECTION 3. This act shall take effect and be in force from and after its passage.

GEORGE T. THOMAS,

Speaker of the House of Representatives.

GEO. H. CHAMBERLAIN,

President pro tem. of the Senate.

Passed March 3, 1904.

Approved March 4, 1904.

MYRON T. HERRICK,

Governor.

CARE FOR INJURED PERSONS AT MINES.

97 O. L., 63.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. It shall be the duty of operators or superintendents to keep at the mouth of drift, shaft or slope, where more than ten miners are employed, or at such other place about the mine as shall be designated by the state or district mine inspector, a stretcher properly constructed, and a woolen blanket and a waterproof blanket in good condition, for use in carrying away any person who may be injured at the mine.

Provided, That where more than four hundred persons are employed, two stretchers and two woolen blankets and two waterproof blankets shall be kept. And in mines generating fire damp a sufficient quantity of linseed or olive oil, bandages and linen shall be kept in store at the mine for use in emergency, and bandages shall be kept at all mines.

GEORGE T. THOMAS,

Speaker of the House of Representatives.

W. G. HARDING,

President of the Senate.

Passed March 31, 1904.

Approved April 1, 1904.

MYRON T. HERRICK,

Governor.

EMPLOYMENT OF FLAGMEN AND HOSTLERS
ON RAILROADS.

97 O. L., 72.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. That no person, firm or corporation, owning, operating or controlling any railroad, running through or within the state of Ohio, shall employ as flagman or hostler, or assistant hostler, within said state, any person who cannot read and write and speak the English language; but this act shall not apply to flagmen at street or highway crossings.

SECTION 2. Any person, firm or corporation who shall violate the provisions of the foregoing section, shall be deemed guilty of a misdemeanor, and upon conviction thereof shall be fined in any sum not less than five hundred dollars (\$500), or more than one thousand dollars (\$1,000).

GEORGE T. THOMAS,

Speaker of the House of Representatives.

W. G. HARDING,

President of the Senate.

Passed April 5, 1904.

Approved April 7, 1904.

MYRON T. HERRICK,

Governor.

REGULATE MANUFACTURE OF HIGH EXPLOSIVES.

97 O. L., 302.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. All persons, partnerships and corporations within the state of Ohio, now engaged in manufacturing, selling, handling or storing powder, dynamite, nitroglycerine, fuses or other explosives and their compounds, shall on or before the 15th day of September, 1904, file with the chief inspector of workshops and factories, upon blanks which shall be furnished by such inspector upon application, a statement of the location of each factory, storehouse, or magazine, owned or controlled by such person, corporation or partnership, together with the character of the explosive manufactured, the quantity stored or kept on hand, the number of persons employed there, and the distance such factory, storehouse, or magazine is located from the nearest factory, workshop, mercantile or other

establishment, occupied dwelling, church, schoolhouse or building in which people are accustomed to assemble, railroad or public highway. Each report filed shall be examined by the chief inspector of workshops and factories, and submitted to the inspector of high explosives who shall make a personal examination of each factory, storehouse and magazine, and if upon such examination, such factory, storehouse or magazine in his judgment shall be found to be located at a safe distance from [any] factory, workshop, mercantile or other establishment, occupied dwelling, church, schoolhouse or building in which people are accustomed to assemble, railroad or public highway, and to be so planned and managed as to insure as great safety as is consistent with the nature of the business, then the chief inspector of workshops and factories shall approve the plans and location of such factory, storehouse or magazine.

SECTION 2. Any person, corporation or partnership, that shall hereafter engage in the business of manufacturing, storing or handling any of the high explosives mentioned in section one of this act shall, before engaging in such business, report to the chief inspector of workshops and factories, upon blanks to be furnished by such chief inspector, upon application, the kind and amount of explosives, such person, partnership or corporation proposes to manufacture or handle, together with a drawing showing the plans of all factories, storehouses and magazines, with an accurate statement of the distance such proposed factory, storehouse or magazine, shall be located from the nearest factory, workshop, mercantile or other establishment, occupied dwelling, church, schoolhouse, or building in which people are accustomed to assemble, railroad or public highway, which report, together with the plans, shall be submitted to the inspector of high explosives for personal examination, correction and approval. And it shall be unlawful for any person, partnership or corporation to engage in such business until such plans are approved by the chief inspector of workshops and factories, and it shall be unlawful for any person, partnership or corporation now engaged in the business of manufacturing, handling or storing any of the high explosives mentioned in section one of this act to continue such business after September 15, 1904, without the approval of the chief inspector of workshops and factories as provided in section one of this act. Any person, partnership or corporation who shall engage in the business of manufacturing, storing or handling any of the high explosives mentioned in section one of this act on or at any time after September 15, 1904, without first having obtained the approval of the chief inspector of workshops and factories as herein provided, shall be guilty of a misdemeanor, and upon conviction shall be fined not less than \$100, nor more than \$1,000. Nothing in this act shall be held to apply to persons, partnerships or corporations engaged in the wholesale or retail drug business, or to retail dealers in gunpowder, fuses or fireworks, who store not to exceed twenty-five (25) pounds at any one place at one time, and it shall be the duty of the chief inspector of work-

shops and factories and the inspector of high explosives to enforce the provisions of this act.

HOLLIS C. JOHNSTON,
Speaker pro tem. of the House of Representatives.

W. G. HARDING,
President of the Senate.

Passed April 22, 1904.

Approved April 23, 1904.

MYRON T. HERRICK,
Governor.

EMPLOYMENT OF MINORS.

97 O. L., 321.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. That sections 1, 2 and 3 of an act entitled "An act to regulate the employment of minors and to repeal sections 6986, R. S., passed April 25, 1891; 6986 *aa* R. S., passed March 21, 1887; 6986 *bb* R. S., passed April 27, 1885; 6986 *c* R. S., passed April 27, 1885," passed April 19, 1898, as amended May 12, 1902, be amended to read as follows:

Sec. 1. No child under the age of fourteen years shall be employed in any factory, workshop, mercantile or other establishment, directly or indirectly at any time, nor be employed as messenger or driver therefor; and no child under [said] the age shall be employed in any other manner, whether it be for compensation or otherwise, when the public schools in which district such child resides are in session.

Every person, company or corporation, or agent having charge of or the management of such factory, workshop, mercantile or other establishment employing any child over fourteen years and under sixteen years of age, shall exact the age and schooling certificate prescribed in section 4022-2 as a condition of employment, and shall keep the same on file, and shall upon the request of the chief or district inspector of workshops and factories produce said certificates for inspection; but no person authorized as aforesaid shall approve such certificates for any child under sixteen years of age then in or about to enter his own employment or the employment of firm, company or corporation of which he is a member, officer or employe. An age and schooling certificate shall not be approved unless satisfactory evidence is furnished by the last school census, the certificate of birth or baptism, or in some such manner, that said child is of the age required as aforesaid; failure to produce to an inspector of workshops and factories an age and schooling certificate, as aforesaid required, shall be prima facie evidence of the illegal employment of any person whose age and schooling certificate is not produced.

In case of doubt of the physical fitness of such minor, the inspector shall require a certificate signed by a medical officer of the board of health, certifying that such child is in sound health and physically able to perform the work he is required to do.

Sec. 2. It shall be the duty of every person employing minors under the age of eighteen years to keep a register in which shall be recorded the name, birthplace, age and place of residence of every minor employed by him under the age of eighteen years. No boy under sixteen years of age and no girl under eighteen years of age, shall be employed at any work at night time later than seven o'clock in the evening nor earlier than six o'clock in the morning, and no minor under eighteen years of age shall be employed in any of the places named in section 6986-7 of the Revised Statutes of Ohio for a longer period than ten hours in one day, nor more than fifty-five hours in one week; and every such minor under eighteen years of age shall be entitled to no less than thirty minutes for meal time at noon, but such meal time shall not be included as part of the work hours of the day; and every employe shall post in a conspicuous place in every room where such minors are employed a printed notice stating the maximum number of work hours required in one week, and in each day of the week from such minors; such printed notice to be furnished by the chief inspector of workshops and factories, and approved by the attorney-general.

Sec. 3. Any person, firm or corporation who shall employ any minor contrary to the provisions of this act, or who shall violate any of the provisions thereof, shall, upon conviction, be fined in any sum not less than ten dollars nor more than fifty dollars, and upon failure or refusal of any such person, firm or corporation to pay said fine or costs according to the order of the court, then such person, firm or corporation shall be imprisoned in the county jail until such fine is paid.

SECTION 4. That original sections 1, 2 and 3, as amended are hereby repealed.

GEORGE T. THOMAS,
Speaker of the House of Representatives.

W. G. HARDING,
President of the Senate.

Passed April 23, 1904.
Approved April 25, 1904.

MYRON T. HERRICK,
Governor.

PRIVATE EMPLOYMENT AGENCIES.

97 O. L., 485.

Be it enacted by the General Assembly of the State of Ohio:

SECTION I. [That] no person, firm or corporation in this state shall open, operate or maintain a private employment agency for hire, or where a fee is charged to either applicant for employment or for help without first obtaining a license for the same from the state commissioner of labor statistics. Such license fee in cities shall not be less than fifty (\$50.00) dollars nor more than one hundred (\$100.00) dollars per annum. In villages not less than ten (\$10.00) dollars nor more than twenty-five (\$25.00) dollars per annum. Every license shall contain the designation of the city or village, street and number of the building in which the licensed party conducts said employment agency. The license, together with a copy of this act, shall be posted in a conspicuous place in each and every employment agency. No agency shall print, publish or paint [on] any sign, window, or insert in any newspaper or publication, a name similar to that of the Ohio free public employment offices. The commissioner of labor shall require with each applicant for a license a bond in the penal sum of five hundred (\$500) dollars with one or more sureties, to be approved by the said commissioner, and conditioned that the obligor will not violate any of the duties, terms, conditions, provisions or requirements of this act. The said commissioner is authorized to cause an action or actions to be brought on said bond in the name of the people of the state of Ohio for any violation of [any of] its conditions, and he may also revoke upon a full hearing, any license, whatever [whenever] in his judgment the party licensed shall have violated any of the provisions of this act. It shall be the duty of every licensed agency to keep a register, in which shall be entered the name and address of every applicant. Such licensed agency shall also enter into a register the name and address of every person who shall make application for help or servants; and the name or nature of the employment for which such help shall be wanted. Such register shall at all reasonable hours, be open to the inspection and examination of the commissioner of labor or his agents. Where a registration fee is charged for receiving or filing applications for employment or help, said fee shall in no case exceed the sum of two (\$2) dollars for which a receipt shall be given, in which shall be stated the name of the applicant, the amount of the fee, the date, the name or character of the work or situation to be procured. In case the said applicant shall not obtain a situation or employment through such licensed agency within one month after registration as aforesaid, then said licensed agency shall forthwith repay and return to such applicant, upon demand being made therefor, the full amount of the fee paid or delivered by said applicant to said

licensed agency, provided that such demand be made within thirty (30) days after the expiration of the period aforesaid. No agency shall send or cause to be sent any female help or servant to any place of bad repute, house of ill fame or assignation house, or any house or place of amusement kept for immoral purposes. No such licensed agency shall publish or cause to be published any false or fraudulent notice or advertisement, or to give any false information, or to make any false promise concerning or relating to work or employment to any one who shall register for employment, and no licensed agency shall make any false entries in the register to be kept as herein provided. No person, firm or corporation shall conduct the business of any employment office in or in connection with, any place where intoxicating liquors are sold.

SECTION 2. It shall be the duty of the commissioner of labor to enforce this act, when informed of any violation, it shall be his duty to institute criminal proceedings for the enforcement of its penalties before any court of competent jurisdiction. Any person convicted for the violation of the provisions of this act shall be guilty of a misdemeanor and shall be fined not less than fifty (\$50) dollars nor more than one hundred (\$100) dollars for each offense, or by imprisonment in the county jail for a period not exceeding six (6) months, or both, at the discretion of the court.

SECTION 3. A private employment agency is defined and interpreted to mean any person, firm or corporation furnishing employment or help, or who shall display any employment sign or bulletin, or through the medium of any card, circular or pamphlet, offering employment or help. shall be deemed an employment agency, and subject to the provisions of this act, whether a fee or commission is charged or not: Provided that charitable organizations are not included.

SECTION 4. The term "applicant for employment" as used in this act, shall be construed to mean any person seeking work of any lawful character, and "applicant for help" shall mean any person or persons seeking help in any legitimate enterprise; and nothing in this act shall be construed to limit the meaning of the term "work" to manual labor, but it shall include professional service and all other legitimate service.

SECTION 5. All money or moneys received from fees and fines as herein provided shall be held by [the] said commissioner of labor, and the same shall constitute a fund for the purpose of enforcing the provisions of this act; and the said commissioner shall at the end of each fiscal year make an account of said fund and pay into the state treasury whatever balance shall remain after paying the necessary disbursements for the purpose of enforcing the provisions of this act.

SECTION 6. All acts and parts of acts in conflict herewith are hereby repealed and this act shall take effect and be in force within sixty (60) days from and after its passage.

GEORGE T. THOMAS,
Speaker of the House of Representatives.

GEO. H. CHAMBERLAIN.
President pro tem. of the Senate.

Passed April 25, 1904.
Approved April 26, 1904.

MYRON T. HERRICK,
Governor.

INSPECTION OF WORKSHOPS AND FACTORIES.

97 O. L., 530.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. That supplementary section 2573a, including section two thereof, be amended to read as follows:

Sec. 2573a. For the purpose of providing an adequate force for the efficient and thorough inspection of workshops and factories throughout the state of Ohio, the governor shall appoint, by and with the advice and consent of the senate, one chief inspector, who, with the approval of the governor, shall appoint thirteen district inspectors.

The chief inspector and district inspectors shall be competent and practical mechanics.

The chief inspector shall hold his office for a term of four years, and shall have his office in the state house, where shall be kept the records of his office; and the district inspectors shall hold their offices for a term of three years from the first day of May after their respective appointments, and until their successors are appointed and qualified; provided, however, that the chief inspector and the district inspectors in office at the time of this act shall serve out their respective terms for which they have been appointed. In case of the resignation, removal or death of the chief inspector, or any district inspector, the vacancy shall be filled in the manner above provided for the original appointments for the unexpired term only of the position so made vacant.

Sec. 2. The chief inspector shall make such assignments of all the district inspectors as the good of the service may require, and shall issue such instructions, and make such rules and regulations for the government of the district inspectors not inconsistent with the powers and duties vested in them by law as shall secure uniformity of action and

proceedings throughout the different districts into which he shall divide the state.

The salary of the chief inspector shall be two thousand dollars (\$2,000) per annum, and the district inspectors twelve hundred dollars (\$1,200) each per annum, which salaries and all necessary traveling expenses incurred by said inspectors in the discharge of their official duties shall be paid out of the treasury of the state from any fund therein not otherwise appropriated on the warrant of the auditor, on the presentation to him of the proper vouchers.

SECTION 2. That supplementary section 2573*b* be amended to read as follows:

Sec. 2573*b*. The said inspector shall have entry into all shops and factories, including all public institutions of the state which have shops and factories, or either, at any reasonable time, and it shall be unlawful for the proprietors, agents or servants in such factories or shops to prevent, at reasonable hours, his entry into such shops or factories for the purpose of such inspection. And proof of the failure of the proprietor of any shop or factory to make the alteration or furnish the safeguards ordered by the inspector, within the time required by law, shall be deemed *prima facie* evidence of negligence and shall render such proprietor liable for any injury sustained by reason of such failure to make such alterations or furnish such safeguards.

SECTION 3. That supplementary section 2573*c*, be amended to read as follows:

Sec. 2573*c*. That said inspectors, if they find upon such inspection that the heating, lighting, ventilation or sanitary arrangement of any shop or factory is such as to be injurious to the health of persons employed or residing therein, or that the means of egress in case of fire or other disaster is not sufficient, or that efficient means for extinguishing fire is not provided on each floor, or that the belting, shafting, gearing, elevators, drums and machinery in such shops and factories are located so as to be dangerous to employes, and not sufficiently guarded, or that the vats, pans or structures filled with molten metal or hot liquid are not surrounded with proper safeguards for preventing accident or injury to those employed at or near them, shall notify the owners, proprietors or agents of such shops or factories by mailing such notifications to the last known address of such owners, proprietors or agents to make the alterations or additions necessary without delay; provided, however, that for such of the alterations and additions ordered as may be of such nature as to make it impossible to comply with immediately, the chief inspector may grant from fifteen (15) to thirty (30) days' time from date of first notification to such owners, proprietors or agents, in which to make such alterations and additions, and if such alterations are not made within the limit of time granted, such owners, proprietors or agents so notified, shall be deemed guilty of a misdemeanor, and upon conviction

tion thereof shall be fined not more than five hundred (\$500) dollars, and not less than fifty (\$50) dollars, and ten (10) dollars additional for each day after such conviction, until such alterations and additions necessary have been made, which fine shall be paid into the treasury of the county in which conviction is had. The district inspectors shall make a record of all examinations of shops and factories in their respective districts, showing the date when made, the condition in which shops and factories are found, and what changes were ordered, the number of shops and factories in their respective districts, the number of men, women and children employed in each shop or factory, together with all such other facts and information of public interest concerning the condition of such shops and factories as they may think useful and proper, which record shall be filed in the office of the chief inspector every week, and so much thereof as may be of public interest to be included in his annual report.

SECTION 4. That supplementary section 2573a including section 2 thereof, as passed April 29, 1885, O. L., Vol. 82, p. 179; supplementary section 2573a2, as passed March 23, 1892, O. L., Vol. 89, p. 133; supplementary section 2573b, as passed April 13, 1898, O. L., Vol. 93, p. 113; and supplementary section 2573c, as passed March 3, 1898, O. L., Vol. 93, pp. 30, 31, be and the same are hereby repealed.

GEORGE T. THOMAS,

Speaker of the House of Representatives.

W. G. HARDING,

President of the Senate.

Passed April 20, 1904.

This bill was presented to the Governor April 20, 1904, and was not signed nor returned to the House wherein it originated within ten days after being so presented, exclusive of Sundays and the day said bill was presented, and was filed in the office of the Secretary of State May 3, 1904.

RISKS TO BE DEEMED AS ASSUMED BY EMPLOYEES.

97 O. L., 547.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. In any action brought by an employe, or his legal representative, against his employer, to recover for personal injuries, when it shall appear that the injury was caused in whole or in part by the negligent omission of such employer to guard or protect his machinery or appliances, or the premises or place where said employe was employed,

in the manner required by any penal statute of the state or United States in force at the date of the passage of this act, the fact that such employe continued in said employment with knowledge of such omission, shall not operate as a defense; and in such action, if the jury find for the plaintiff, it may award such damages not exceeding, for injuries resulting in death, the sum of five thousand dollars, and for injuries not so resulting, the sum of three thousand dollars, as it may find proportioned to the pecuniary damages resulting from said injuries; but nothing herein shall affect the provisions of section 6135 of the Revised Statutes.

Nothing herein contained shall be construed as affecting the defense of contributory negligence, nor the admissibility of evidence competent to support such defense.

HOLLIS C. JOHNSTON,

Speaker pro tem. of the House of Representatives.

W. G. HARDING,

President of the Senate.

Passed April 23, 1904.

Approved May 3, 1904.

MYRON T. HERRICK,

Governor.

RECENT DECISIONS OF COURTS AFFECTING LABOR.

THE ST. MARYS MACHINE CO. v. THE NATIONAL SUPPLY
CO., ET AL.

68 O. S., 535.

(Decided June 16, 1903.)

Lien of Labor—Section 6355, Revised Statutes—Preferred claims.

Error to the Circuit Court of Allen county.

The facts in this case involve the rights of several mortgagees under chattel mortgages from L. E. Bloomfield, a contractor, engaged in drilling oil wells, in which business he owned and used drilling tools, machinery, horses, wagons and harness, but was not the owner of any real estate. He gave chattel mortgages to different parties on this property, some of them covering the same property, and all of which were properly executed and filed and kept alive so as to be valid liens upon the property covered by the several mortgages.

On February 8, 1901, the National Supply Co., one of said mortgagees, began its action in the court of common pleas of Allen county against said L. E. Bloomfield, making the several chattel mortgagees defendants, and in that action the court appointed receivers who qualified, and under the order of the court took possession of all of the property of Mr. Bloomfield, including the property covered by said chattel mortgages, and converted all the property into money, and brought the same into court for distribution. Said chattel mortgages were all past due when said action was commenced.

By consent of all parties the taxes and expenses, including the compensation of the receivers, were paid out of the fund realized upon the sale of the personal property.

Many claims for labor performed for Mr. Bloomfield in his said business within three months before said receivers were appointed, were filed, and allowed, and thereupon a contest arose upon distribution between said mortgagees and said labor claims. The cause came to the circuit court on appeal, and was there heard and determined.

There was no contest as to the amount due to each mortgagee, or to each laborer, the sole question being as to priorities, the fund not being sufficient to pay all.

The circuit court held that the amount due on the labor claims should be first paid in full, and should be deducted pro rata from the fund arising from the sale of the property covered by the several mortgages without reference to the question of priority of such mortgages as among themselves, and that the remainder thus left to each mortgagee under his mortgage should be paid to him. In the case of the St. Marys Machine Company this holding resulted as follows: Amount found due this company was \$1,315.57. Net amount realized on sale of property covered by its chattel mortgage \$955.19. Amount deducted from that sum and paid over to labor claims \$435.75, leaving a balance of \$519.44 to be paid over to the company. The other mortgagees were treated in the same manner, the only difference being as to amounts. The mortgagees saved proper exceptions, and brought the case here, seeking to reverse the judgment of the circuit court, and asking for judgment in their upon the findings of fact made by that court.

BURKET, C. J. The solution of the controversy between the parties, depends upon a proper construction of section 3206a, Revised Statutes. That section is as follows:

"Laborers and employes of any persons, association of persons or corporation, whether such employment be at agriculture, mining, manufacture or other manual labor, shall have a lien upon the real property of their employers for their wages, which is hereby declared to be superior to the following liens taken or attaching during the existence of such unpaid labor claims, to-wit: Liens of attachment, liens of mortgages given or taken at a time of actual insolvency of the debtor, or with a view of preferring creditors or to secure a pre-existing debt, and superior to all claims for homestead or other exemptions, except under section fifty-four hundred and thirty; and in all cases where property of an employer is placed in the hands of an assignee, receiver or trustee, claims due for labor performed within the period of three months prior to the time such assignee, receiver or trustee is appointed, shall first be paid out of the trust fund, in preference to all other claims against such employer, except claims for taxes and the costs of administering the trust. The lien herein provided shall be deemed to be waived by the laborer or employe, as to any portion of such labor, unless within thirty days from the expiration of three months from the performance of such portion he shall file with the recorder of the county where the labor was performed, an itemized statement verified by affidavit of the amount, kind and value of the labor performed within said period, with all credits and off-sets, and the amount then due him therefor, which verified statement when so filed, shall be recorded in a book kept for the purpose, and shall become and operate as a lien upon the real property of the employer without any specific description thereof, for the period of one year from and after the filing thereof, and if an action is brought to enforce the lien within that time, it shall continue in force until finally adjudicated; and the proceed-

ings to enforce such lien shall be the same as in other cases of lien, against the owner of the property and all other persons interested; provided, that if several persons have or obtain liens under the provisions of this section, against the property of the same employer, they shall have no priority among themselves, but shall be paid pro rata, nor shall they have priority over those obtaining liens under sections thirty-one hundred and eighty-four, thirty-one hundred and eighty-five, thirty-one hundred and eighty-six, thirty-one hundred and eighty-seven of this chapter, but the persons obtaining liens under said sections thirty-one hundred and eighty-four, thirty-one hundred and eighty-five, thirty-one hundred and eighty-six, and thirty-one hundred and eighty-seven shall have priority as provided therein."

As there was no real estate in this case, the only part of the section here applicable is the following: "And in all cases where property of an employer is placed in the hands of an assignee, receiver or trustee, claims due for labor performed within the period of three months prior to the time such assignee, receiver or trustee is appointed, shall be first paid out of the trust fund, in preference to all other claims against such employer, except claims for taxes and the cost of administering the trust."

As the amount found due the St. Mary's Machine Co. was greater than the value of the mortgaged property, as shown by the amount for which it sold, the property covered by the mortgage was the property of the Machine Company, and not the property of Mr. Bloomfield. All he had was a right of redemption, by payment of the debt. *Sayler v. Simpson*, 45 Ohio St., 141, 150. This is a property right, but not property itself, within the purview of this section. It was therefor not the property of the employer, Mr. Bloomfield, but the property of the Machine Company, that came into the hands of the receivers in this case, and according to the holding of this court in *Hughes v. Bank*, 61 Ohio St., 386, it could not be subjected to the payment of labor claims under this section.

Again, said section provides that such labor claims "shall be first paid out of the trust fund, in preference to all other claims," etc. "Trust funds," under this section, must be the same, whether the estate is in the hands of an assignee, receiver or trustee, and in all such cases the fund for distribution among creditors generally, is known as a trust fund, because the person in charge of the estate, holds the fund in trust for all who can show themselves to be beneficiaries under the general law of the land, and not entitled as owners in whole or part, by virtue of a special property or particular lien. As to such the receiver holds the property or its proceeds not in the sense of a trust fund, but under a special obligation to restore it to its owner.

The correction of the foregoing holding is strengthened by a reference to section 6355, Revised Statutes, which is in *pari materia* with said section 3206a, and both sections must be read and construed together. Section 6355 is as follows:

"All taxes of every description assessed against the assignor upon any personal property held by him before his assignment, shall be paid by the assignee or trustee out of the proceeds of the property assigned in preference to any other claims against the assignor, and every person who shall have performed any labor as an operative in the service of the assignor, shall be entitled to receive out of the trust funds, before the payment of other creditors the full amount of the wages due to such person for such labor performed within twelve months preceding the assignment not exceeding three hundred dollars. But the foregoing provisions shall not prejudice or in any way affect securities given or liens obtained in good faith, for value, but judgments by confession on warrants of attorney rendered within two months prior to such assignment, or securities given within such time to create a preference among creditors or to secure a pre-existing debt other than upon real estate for the purchase money thereof, shall be of no force or validity as against such claims for labor to the extent above provided, in case of assignment."

This section provides for the distribution of the assets of the estate of an insolvent in cases of assignments for the benefit of creditors, and provides for the payment of labor claims of operatives in the service of the assignor, for labor performed within twelve months, not exceeding three hundred dollars, but such labor claims cannot prevail over securities given or liens obtained in good faith for value. From this it is clear that the fund out of which such labor claims can be paid in cases of assignees or trustees in insolvency, is the general fund remaining after the payment of all securities and liens obtained in good faith for value. This general fund corresponds to, and is the same as, the "trust fund" mentioned in said section 3206a, and each of said funds is what remains after the payment of the valid securities and liens against the property in the hands of the assignee or trustee; and to the extent of such securities and liens, construing both sections together, the property in the hands of the assignee or trustee is not regarded as the property of the employer, but as the property of the owner of the security or lien, and as being so connected with the property of the employer or assignor as to require the whole to be administered by the assignee or trustee, rendering to the owner of the securities and liens, the proceeds of their property, and distributing by order of the probate court the remainder among the general creditors, subject to the rights of labor claims. Under the one section a labor claim includes all labor within twelve months, not exceeding three hundred dollars, and in the other the period is only three months with no limitation as to amount. In this regard there seems to be some conflict, but in any particular case the laborer should be allowed to invoke the provision most favorable to himself.

Said section 6355 applies only to assignees and trustees, while the other section, applies to assignees, trustees and receivers; but when the

section is properly construed as to assignees and trustees, the same construction must be applied to receivers, because in said section 3206a all three stand upon exactly the same footing.

This section of the statute has been differently construed by the circuit court in several cases, and while the true construction may not be clear at a glance; after mature deliberation, and a full examination of the principles involved, the above construction seems to be clearly warranted, and when so construed the section is constitutional. With this construction of the section the other question, so ably argued by counsel, becomes unimportant, and are not here considered.

The judgment of the circuit court will be reversed, and cause remanded to that court with instructions to render a judgment of distribution, applying the net proceeds of the sale of the property covered by each chattel mortgage to the payment of the amount due upon such mortgage, preserving priorities where there are two or more chattel mortgages on the same property, and that the balance, if any, be applied upon the labor claims pro rata.

Judgment reversed, and judgment for plaintiff in error.

Spear, Davis, Shauck, Price and Crew, JJ., concur.

DAVIS v. TURNER.

69 O. S., 101.

(Decided October 27, 1903.)

Servant injured in coal mine—Question of notice of danger—Duty of master—Contributory negligence.

ERROR to the Circuit Court of Jackson county.

The issues between the parties in the trial court were joined upon the second amended petition, the answer of plaintiff in error, and the reply thereto.

The plaintiff below, claimed a right of recovery against the defendant, for damages resulting from a personal injury received in the coal mine of the defendant, on the twenty-seventh day of September, 1900. By the averments of the second amended petition it is disclosed that at the above date, the plaintiff below, was in the employ of the defendant as a driver, in said mine, at an agreed price per day; and that such employment had continued for about two weeks before the injury. The plaintiff's

duty was to haul coal in cars drawn by a mule, from the rooms of a portion of the miners who mined the coal, to a hoisting shaft. While passing through a main entry of the mine in the discharge of his duties as such driver, and without negligence on his part, he was injured by slate falling upon him from the roof of said entry, directly over the track placed therein along which he was at the time passing in the discharge of his duties.

The injuries alleged are four fractures of the jaw, and the loss of several teeth, which affected his ability to take food, and also his powers of speech, which injuries he says are permanent.

The entry wherein the plaintiff was injured is alleged to be about one-half mile in length, from eight to ten feet in width, and on an average, about four and one-half feet in height. It is further alleged, that above the track along which plaintiff was required to pass with the cars of coal, and at a point about fifty yards towards the hoisting shaft, there was loose and defective overhanging slate in the roof of the entry, which rendered the passage that way dangerous, by reason of its liability to fall, of which dangerous condition the plaintiff had no knowledge at any time, nor did he have equal opportunity or means with the defendant of knowing the same.

It is then alleged that the defendant himself, and by his agent in charge and control of the mine, well knew of the dangerous and unsafe condition of the entry where plaintiff was injured; or, if he did not actually know of the same, he could and would have known of it by the exercise of ordinary prudence and care before the plaintiff was injured, and in time to have prevented the injury by securely propping, posting, or securing the roof of the entry.

The negligence charged is that with knowledge or means of knowledge of the unsafe condition of the roof of the entry, defendant failed and neglected to securely prop, post, or remove the overhanging slate.

The damages laid consist in loss of time, incurring medical and dental bills, and general damages—in all, \$10,175.35.

The foregoing is the substance of the second amended petition.

The answer admits that the defendant operated the coal mine at the time of the injury; that plaintiff was in his employ, and that his duties were about as alleged by him, and that he was injured about the time and in the entry as described, but it denies each and all the other allegations of the petition. It avers that the plaintiff was not without fault, "but contributed to whatever injury he received by his own careless and negligent driving of the mule and management of the car, whereby one or the other was driven or thrown against certain props and posts which were then and there used to support the roof of said entry, and displaced them, and knocked them down, and thereby permitted certain caps and portions of the roof of said entry to fall upon plaintiff to his injury * * * * ."

The reply denies all the allegations of fault and contributory negligence made in the answer.

On the issues joined the case went to trial to a jury. On request of the defendant, the court submitted to the jury for answer, certain interrogatories, to be answered and returned as answered, with the general verdict. The interrogatories and answers are:

"The jury in the above cause are required to make answer to the following interrogatories, and return the same as their special verdict:

"1. About how often did plaintiff, while at work for defendant, pass along the entry at the point where he was injured? Answer. About three hundred and sixty times.

"2. Did plaintiff, while working in said entry, make any endeavor to ascertain the condition of the entry through which he passed? Answer. No.

"3. Did plaintiff, while at work in said entry, take any notice of or pay any attention to the roof of the same, or observe that the same was propped, and cross-timbers used in it for the protection of the roof? Answer. No.

"4. Was the defect in the roof of the entry at the point where plaintiff was injured obvious, and noticeable to a person going in or out of such entry? Answer. Yes.

"5. Was it under the evidence in this cause the duty of plaintiff, while driving for defendant, to notice, examine or pay any attention to the roof of the entry in which he was at work? Answer. No.

JOHN C. STEELE, *Foreman.*"

The jury returned a general verdict for the plaintiff in the sum of \$1,481. The defendant filed a motion for a new trial, containing among other grounds, that the court erred in refusing to give the jury certain special instructions asked by the defendant; that the court erred in the general charge; and "that the general verdict is inconsistent with the special verdict." At the same time the defendant moved for judgment in his favor upon the special findings of the jury, notwithstanding the general verdict. The court overruled both motions and the defendant excepted.

Judgment was rendered on the general verdict, and defendant prosecuted error in the circuit court, assigning among other errors committed by the trial court, that it "erred in overruling and not sustaining the motion of defendant below for a judgment in his favor upon the special verdict, notwithstanding the general verdict for plaintiff."

The circuit court found and decided "the court of common pleas erred in refusing to give to the jury special instructions numbered four and seven, as requested by plaintiff in error, defendant below, and found no other error apparent on said record.

For the errors found, the judgment of the court of common pleas

was reversed and the cause remanded for such further proceedings as may be authorized by law.

The plaintiff in error excepted to the decision of the circuit court for the reason, that it did not find and adjudge "that the court of common pleas erred in overruling the motion of plaintiff in error, defendant below, for a judgment in his favor upon the answers made by the jury to the interrogatories submitted to be answered by them, and in not rendering judgment in favor of plaintiff in error upon said interrogatories as the court below should have done."

Without waiting for a new trial of the case in the court of common pleas, the plaintiff in error prosecutes error in this court to reverse the circuit court for not giving him judgment on the answers of the jury to said interrogatories.

PRICE, J. The record in this case presents two questions which are worthy of consideration, the first of which is a question of practice.

The plaintiff in error was defeated in the trial court, his motion for new trial overruled and judgment rendered on the general verdict returned by the jury. Before judgment and contemporaneous with the motion for new trial, he asked judgment upon the answers to certain interrogatories submitted to the jury by the court. This was refused, and the case was taken on error to the circuit court, where the judgment of the trial court was reversed, on the sole ground, that there was error in refusing to give certain instructions requested by the defendant, and the cause was remanded for further proceedings.

The circuit court refused to render judgment for plaintiff in error on the special findings of the jury, and overruled his motion for that purpose. There has been no retrial in the court of common pleas, and we are asked to review and reverse the decision of the circuit court, overruling the motion of plaintiff in error for judgment on the special findings of the jury.

1. Has he a right to prosecute such proceedings in this court? This is our first question for consideration. The defendant in error says there is no basis for this proceeding, and no judgment to reverse, because the circuit court reversed the judgment of the common pleas and remanded the cause to that court for further proceedings; that as a result of the reversal a new trial was granted and the special findings were vacated with the general verdict. This claim was made heretofore in this court by motion to dismiss the petition in error, and it is still urged and relied upon.

The particular questions of fact appear to have been submitted by the trial court without objection. At all events, they were submitted and answered by the jury and became a legitimate part of the record. As such the judgment of the trial court was invoked upon them by the motion of defendant below, and that court exercised its judgment thereon in overruling the motion, to which exception was entered. In the circuit

court he was not content with a reversal of the judgment on the grounds stated, but relied and still relies on the special findings as being inconsistent with the general verdict. And if the special findings are inconsistent with the general verdict, and are sufficient in their legal effect to defeat a recovery, there can be no doubt that he was entitled to judgment in the trial court. If so, the circuit court, when it reversed the judgment of the trial court, should have rendered the proper judgment instead of remanding the case for a new trial. It seems entirely clear, that if the special findings are inconsistent with the general verdict and entitle the defendant below to a judgment, he would be justified in standing upon them in the trial court, and also, in the circuit court, regardless of the privilege of a new trial, rather than be compelled to abandon what he had fairly obtained and incur the labor and expense of a retrial of the case. Otherwise the submission of special questions to the jury is but an idle and fruitless ceremony.

But in this case the circuit court agreed with the trial court and refused the judgment demanded. Is there no direct remedy in this court to review the decision of that court, and correct its error, if any has been committed in overruling the motion for judgment? If not the party has lost a valuable right which the law has furnished him for a very clearly expressed purpose; and it is lost, it is said, because the circuit court set aside the general verdict and granted a new trial. However, it did more. It decided that plaintiff in error was not entitled to judgment on the special findings, which he claimed are inconsistent with and should control the general verdict.

We discover no good reason why he does not have a direct remedy in this court to review the circuit court on that branch of the case. This view is founded upon the unequivocal meaning of sections 5201 and 5202, Revised Statutes.

In accordance with the former section, the court instructed the jury to find specially upon the particular questions of fact contained in the record. Whether all were proper questions, we need not now determine. They were submitted and answered. By the latter section it is provided that: "When the special finding of facts is inconsistent with the general verdict, the former shall control the latter, and the court may give judgment accordingly." If the special findings are such as should control the general verdict, it becomes the duty of the trial court to enter the judgment with such "control" would clearly indicate; and in this we think there is no room for the exercise of mere discretion. Moreover, we regard the decision of the circuit court, overruling the motion for judgment on the special findings as a judgment determining the rights of the parties in that behalf, and a proper predicate for proceedings in error. See section 6710, Revised Statutes.

As authorities against the views here expressed, counsel for defendant in error cites and relies upon the following cases: *Fitzpatrick et al v.*

Papa, 89 Ind., 17; *Hollenbeck v. The City of Marshalltown*, 62 Ia., 21; *The State ex rel. Downard v. Templin*, 122 Ind., 235; *McCrum v. Corby*, 15 Kas., 112; *Insurance Co. v. Shillito*, 15 Ohio St., 559; *Andrews v. Youngstown*, 35 Ohio St., 218. We have carefully examined each of these cases, and are unable to find a rule in either that is contrary to our position.

In *Fitzpatrick et al v. Papa*, supra, it appears that appellants urged their right to judgment in the appellate court, on answers to interrogatories at the first trial of the cause in the lower court. No ruling seems to have been asked or made at that trial with reference to such interrogatories, but the court set aside the general verdict and granted a new trial. The parties had their new trial. From the judgment rendered on the second trial, appeal was taken, and appellant asked for judgment on the findings made on the first trial. It was easy to conclude and hold, that having submitted to a second trial, the party waived his rights on special findings made at the first trial. It was upon that state of the record the appellate court made its holding.

Hollenbeck v. The City of Marshalltown, supra, was an action to recover for injuries sustained by reason of a defective sidewalk. The first trial resulted in a verdict for the plaintiff, which was set aside and a new trial granted. The second trial resulted in a verdict for the plaintiff. On this, the second trial, the jury in answer to a special interrogatory, found that the defect in the sidewalk was not so open and notorious as to render the city liable. It fairly appears that the city asked judgment on this special finding and also for a new trial. The trial court refused judgment on the special finding, but granted a new trial. A third trial was had and the plaintiff again recovered. From the judgment rendered on the last verdict appeal was taken by the city, and it was there insisted that the city was entitled to judgment on the special finding made at the second trial. This the court denied, as well it could, because of submitting to a retrial after the finding had been made, the city waived its rights thereunder.

The State ex rel. Downard v. Templin, 122 Ind., supra, contains no holding pertinent to the present inquiry.

The same may be said about *McCrum v. Corby*, 75 Kan., supra. There, when the motion for new trial was granted, nothing was said about the special findings, and no one sought any order of court respecting them. The appellate court say in that case: "Counsel claim that as no motion was made to set them aside, they still stand and must control any subsequent verdict, and therefore a new trial is unnecessary and improper." The court denied the correctness of the proposition.

In *Insurance Co. v. Shillito*, supra, the superior court at special term, upon the facts found by it, rendered judgment against the plaintiff. The court at general term reversed the judgment and remanded the cause to the special term for new trial. The insurance company prosecuted error

in this court to reverse the judgment at general term on the ground "that there was no error in the proceedings of said court at special term."

It is clearly discerned, that the office or function of special findings of a jury are quite different from the findings of a court to which a cause is submitted without the intervention of a jury. The difference is both natural and statutory. Besides this observation, the question we have before us was not before the court in that case, either in form or substance. Nor does the case of *Andrews v. Youngstown*, supra, shed any light on this controversy. The court there held that "where a judgment is reversed for error accruing on the trial, the party against whom the reversal is had, by voluntarily submitting to a new trial which results in a verdict and judgment, waives his right to prosecute a petition in error to reverse the judgment of reversal." The latter holding is in entire accord with our construction of the Indiana and Iowa cases cited. We therefore hold that the plaintiff in error is properly in this court and that it has jurisdiction to hear and determine his assignments of error.

Incidental to the argument of the foregoing subject, counsel for defendant in error, assert as a rule of practice, that plaintiff in error is without remedy on error, because he filed the motions for new trial and for judgment on the special findings simultaneously, and that both were decided by the trial court at the same time, and it so appears of record. It also appears that in one judgment rendered by the circuit court, it granted a new trial on the ground that certain instructions were refused, and also adjudged that there was no error committed in overruling the motion for plaintiff in error in the special findings.

We presume that the point intended to be made is, that the judgment of the circuit court being thus joint in form, the plaintiff in error cannot so divide it as to accept the benefits of a judgment for new trial, and also prosecute error to the balance of the judgment. The argument on this subject is very obscure, and the reasons back of it, are equally obscure.

The plaintiff in error did not submit to a new trial and avail himself of that relief, but proceeded to this court to test his right to judgment on the special findings. We can discover no trace of prejudice to any one in the exercise of this right arising out of the fact that both motions were filed and decided at the same time; and the condition of the record in that respect is no bar to the present proceeding.

It is proper here to add, what we regard as the proper order to be observed in cases where it is desired to file one or both of the motions referred to, although it is not adopted as an absolute or invariable rule to govern under all circumstances, but as the better and general rule of practice. We therefore think that in the trial of a civil action, wherein the jury return with a general verdict, special findings on questions of fact under the instructions of the court, the party against whom the general verdict is returned, may first move for judgment in his favor on the special findings, and if his motion is refused, he may then file his

motion for a new trial within the time prescribed by law. But where the court fails to pass on the motion for judgment on the special findings, within the time allowed for filing a motion for new trial, the latter motion may be filed within such time, and before the decision of the motion for judgment. In either case, the motions should be filed and decided in the order indicated.

2. We now come to the second inquiry in the case. Is the plaintiff in error entitled to judgment on the special findings made by the jury? Is the special finding of facts inconsistent with the general verdict?

The provision of our statute regarding special findings, obtains in substance, in many, if not all, the states having a code of civil practice. It is found also in the statutes of some of the states where a code of civil procedure does not prevail, as in Indiana. The object of such provision has been defined by the appellate courts of several of such states, and when we clearly understand the purpose to be served, we will be better enabled to say whether the findings in this record are inconsistent with the general verdict. It was said by Justice Hanna of Indiana in *Buntin v. Rose*, 16 Ind., 209, that "Before the enactment of our statute, enabling a party to ask that a jury shall respond to interrogatories, it was difficult to have placed upon the record of a trial, the component parts of, or elements which entered into and formed the verdict of a jury. This was felt and considered as operating injuriously in many instances, because of the current of decisions in this court for many years to the effect that a verdict in a civil case should not be disturbed on the evidence where there was proof tending to sustain it."

In *Morrow v. Commissioners*, 21 Kas., 484, the supreme court of that state, through Justice Brewer says on page 503, that: "The main object of special questions is to bring out the various facts separately, in order to enable the court to apply the law correctly, and to guard against any misapplication of the law by the jury. * * * * *

In *Davis v. Town of Farmington*, 42 Wis., 425-432, the supreme court of Wisconsin is of opinion that: "By requiring the jury to pass separately and specifically upon each controverted question of fact material to the issue, a more careful and methodical consideration of the testimony by the jury may be secured, and the precise grounds upon which the judgment is based will be disclosed." And in *Moss v. Priest*, 19 Abb. Pr. (N. Y.), the New York superior court say on page 317: "The object of the provision in regard to special findings was to enable the court to leave the case to the jury generally, but to control their general verdict by findings which would render a second trial unnecessary in cases where no exceptions were taken, or rather to prevent exceptions to the charge. * * * * *

In connection with these authorities, we keep in mind another proposition, that the special finding is inconsistent with the general verdict only when the two are irreconcilable. Elliot, C. J., in *Railway Co., v.*

Beyerle, 110 Ind., 102, makes the very strong declaration that: "Nothing will be presumed in aid of the answers to the interrogatories, nor will they control the general verdict unless they are invincibly antagonistic to it."

In *Woolen v. Wishmier*, 70 Ind., 108, the supreme court of Indiana declare that: "It must be remembered that a special finding must be irreconcilably inconsistent with the general verdict, before the latter can be set aside and the former substituted in its place." See also *Amidon v. Gaff*, 24 Ind., 128-130; *Railroad Co., v. Stout, Admr.*, 53 Ind., 143. In the latter case it is held: "Special findings in answer to interrogatories over-ride the general verdict only when both cannot stand; and the supreme court will not direct a judgment in favor of a party against whom the general verdict has been rendered, unless this antagonism is apparent on the face of the record and the special finding cannot, by any hypothesis, be reconciled with the general verdict."

To the same effect are *Alexander v. University*, 57 Ind., 466; *Murray v. Phillips*, 59 Ind., 56; *Railroad Co. v. Barton*, 61 Ind., 293; *Hershman v. Hershman*, 63 Ind., 451. See also *Bills v. The City of Ottumwa*, 35 Ia., 107, where it is held that: "To justify the court in setting aside a general verdict on the ground that they are inconsistent with the special findings, the conflict must be irreconcilable."

The latter statement of the rule seems to be the conservative judgment of the courts passing on the question.

Are the special findings disclosed in this record inconsistent with the general verdict? We think not. What are they?

1. The defendant in error passed the entry where he was injured about three hundred and sixty times.
2. He did not, while working in the entry make any endeavor to ascertain the condition of the entry through which he passed.
3. He took no notice of nor did he pay any attention to the roof of the entry, or observe that the same was propped, and cross timbers in it for the protection of the roof.
4. The defect in the roof of the entry at the point where plaintiff was injured was obvious and noticeable to a person going in or out of such entry.
5. It was not the duty of the plaintiff while driving for defendant to notice, examine, or pay any attention to the roof of the entry in which he was at work.

These in substance are the special findings.

It was no part of the duties of the plaintiff below to inspect or repair the entry to the mine. His employment was to drive the mule hauling cars of coal from the rooms where mined to the hoisting shaft. It is true the jury found that he made no endeavor to ascertain the condition of the entry through which he passed, and that the defect in the roof of the entry was "obvious and noticeable to a person going in or out of such entry." There is no finding that he did notice its condition; or, that he could, by

the exercise of ordinary care, while passing through the entry, have discovered the defect. The person mentioned in the finding to whom it would be noticeable, might be an expert or one whose duty it was to inspect and repair such defects. To such a person a defect in the roof might be readily apparent, because its discovery formed a part of his duty, while it would not be obvious or noticeable to one whose duties were entirely different, and who had primarily the right to rely upon the operator of the mine to keep the entry in reasonably safe condition.

We think this branch of the case is ruled by the doctrine laid down by this court in *Wellston Coal Co., v. Smith*, 65 Ohio St., 70. The fourth section of the syllabus is: "In the business of mining coal it is the duty of the owner or operator of a mine to furnish reasonably safe entries for the ingress and egress of those employed in such mine, and to keep such entries in a reasonably safe condition, and the miners may rely and presume that this duty has been properly performed."

It is also held in that connection, that: "It is the duty of the miner, as to such entry, to use ordinary care for his own safety in view of what he knows or ought to know as to the condition of such entries; and he ought to know every fact which he would know if he exercised ordinary care to keep himself informed as to matters concerning which it is his duty to inquire in the employment in which he is engaged." On page 82, through Burket, J., this court says: "If the plaintiff knew the roof of the entry to be unsafe, and entered notwithstanding such knowledge, he was negligent and ought not to recover; but as it was the duty of the mine boss to furnish a reasonably safe entry, and to keep it in a reasonably safe condition, the miners could rely upon that duty being performed, and were not required to test and inspect the roof of the entry themselves and were not charged with knowledge of its unsafe condition, farther than the knowledge they would ordinarily obtain in the proper discharge of the work they were employed to perform."

We think this covers the whole law applicable to the special findings, and we need not discuss them further. The judgment of the circuit court is affirmed.

Judgment affirmed.

BURKET, C. J., SPEAR, SHAUCK and CREW, JJ. concur.

DAVIS, J., dissenting.

I cannot bring myself to concur in the last paragraph of the syllabus in this case, or in the judgment. It seems to me that both are illogical. In the syllabus it is said that: "A servant employed in a coal mine, to haul cars of coal from the rooms where the coal is mined through an entry to a hoisting shaft, by the use of a mule and cars, is chargeable with actual notice of every fact which he would have known had he exercised ordinary care in keep himself informed as to matters concerning which it is his duty to inquire." This is sound law, and since the jury in its answers to special interrogatories found that the plaintiff had gone in and out through

the entry three hundred and sixty times, and that while working in the entry he made no effort to ascertain the condition of the roof thereof and took no notice of and paid no attention to the roof of the entry nor the support thereof, and that the alleged defect was obvious and noticeable to a person going in and out of such entry, it seems to be conclusively established that he was chargeable with actual knowledge of the defect; for under such circumstances he could not be ignorant of that which was "obvious and noticeable" without the want of ordinary care. Yet, in the face of that which, to the average mind, must seem to be an irresistible inference from the law and facts as found, it is held that the plaintiff may nevertheless put behind him all knowledge or its equivalent, ability to know if he had looked, and blindly rely on the master to perform his duty to furnish him a safe place in which to work; and that when he is injured through the negligence of the master, he may recover therefor notwithstanding he has assumed the risk with full knowledge, or has recklessly refused to see an obvious thing. That is precisely the effect of the judgment in this case, however the opinion may be worded, although I do not think that I have misconstrued the language used. It seems to me that this ruling is contrary to all precedent and especially to the law as laid down in *Coal & Car Co., v. Norman*, 49 Ohio St., 598, and *Coal Co. v. Estievenard*, 53 Ohio St., 43. It is true that the plaintiff avers in his amended petition that he was without knowledge of the defect, but the jury has expressly found that he had such knowledge or the equivalent thereof.

It also seems to me to be both indefensible and misleading to indicate that this judgment follows *Wellston Coal Co. v. Smith*, 65 Ohio St., 70. I did not concur in that opinion in its entirety; but I never understood the ruling in that case as justifying a miner either in ignoring his actual knowledge, or in neglecting to know when knowledge was perfectly "obvious and noticeable;" for in this case the controversy is not about occult things which might require expert tests to discover. Under the facts specially found by the jury, this was not a case requiring "tests" or "inspections" in order to discover the danger. Nor do I think the court so understood the cited case, for on page 82, Burket, J., says: "If the plaintiff below knew the roof of the entry to be unsafe and entered notwithstanding such knowledge he was negligent and ought not to recover;" and in the syllabus of the case it is held that: "It is the duty of a miner as to such entry to use ordinary care for his own safety in view of what he knows or ought to know as to the condition of such entries;" and surely he "ought to know" when he could know by mere looking. It is said in the case at bar that the jury found that it was not the plaintiff's duty to notice defects in the roof of the entry or in the supports thereof; but in a legal sense the jury could not find that, when the law requires that the plaintiff ought to know everything concerning his own safety which he could learn by the exercise of mere ordinary care. The special

findings are absolutely irreconcilable with the general verdict, because they plainly indicate either, (1) assumption of risk with actual knowledge of the defect, or (2) want of ordinary care, or (3) both assumption of risk with knowledge of the defect and want of ordinary care. For the reasons here briefly outlined I entertain the opinion that the plaintiff in error is entitled to judgment on the special findings notwithstanding the general verdict.

THE NORTHERN OHIO RAILWAY CO. v. RIGBY.

69 O. S., 184.

(Decided November 17, 1903.)

*Explosion resulted from act done by direction of foreman—Superior
directs inferior to perform duty—Contributory negligence—
Law of master and servant.*

ERROR to the Circuit Court of Summit county.

On or about the fourth day of December, 1895, the defendant in error was severely injured in the yards of the plaintiff in error, at Delphos, Ohio, by the explosion of what is commonly known as the Baker Car Heater, which was in passenger coach No. 22, owned and operated by the railway company.

The plaintiff below was an employe of the plaintiff in error, as he alleges, in the capacity of foreman of car repairers at the shop of the company, on its line of railroad at Delphos, and that his duty was to make and cause to be made such repairs of the cars of the defendant, as he might be ordered to make from time to time.

The evidence tends to prove that Rigby, plaintiff below, had several years' experience as foreman of car repairers on the line of defendant company, and on other railroads, before engaging with the defendant, and that he also had considerable knowledge of, and experience with, the Baker Car Heater, and as a mechanic, possessed a fair knowledge of its construction and mode of operation. The evidence further tends to show, that in the discharge of his duties he had experience as to the proper method of thawing out the pipes of this system of heating cars, when the water circulating therein from the heater had become frozen. This heating system when in proper condition was furnished not only with a pressure gauge, but also a safety or pop valve. The safety or pop valve is connected with the drum of the heater on the roof of the car, and its purpose is to furnish relief from excessive pressure.

There is evidence tending to prove, and it is not seriously in dispute, that on or about November 25th, preceding the explosion, and while this car No. 22 was standing in the Delphos yards, Rigby was directed to get it ready to go out upon the road, and it was found that the drum of the heater was without the safety or pop valve. The master mechanic, Marshall, was informed of this fact, and after some discussion, Rigby was told by the master mechanic to put in a plug where the safety valve should be, until valves which had been ordered, should arrive. This was done by Rigby, and a solid plug was put in the vent of the drum. The heater was then filled with water and fired up ready for the road. It turned out that the car was not needed at once, and the fire was drawn from the heater. The car then stood for several days out of doors in the open yard, in severe cold weather, and such water as remained in the pipes froze.

On the day of the explosion, December 4th, it became necessary to get car No. 22 ready for use on the road the next morning. The evidence shows that Marshall, as master mechanic, telegraphed to Rigby, "Get car 22 ready."

In pursuance of this direction or order, Rigby set about to thaw out the pipes, while the pressure gauge was absent and the plug was in the vent of the drum instead of a safety or pop valve; and in so doing the explosion occurred, and he was seriously injured.

The negligence complained of in the plaintiff's petition, in substance, consists in the company failing to furnish the safety or pop valve as its master mechanic had promised should be put in, and in ordering plaintiff to proceed with the plug in, which, with the weak and defective condition of the heater, caused the explosion and his injuries.

The answer of the company denies any defective or weakened condition of the heater, and all negligence on its part, and charges that the plaintiff had full knowledge of the danger of attempting to thaw out the pipes without a safety valve, and negligently proceeded with the work under the circumstances, well knowing the dangers to be encountered, and thus contributed to his injuries.

The defendant company requested the court to give the jury certain instructions, some of which were substantially embraced in the general charge, and others were given in the language requested. The seventh request was not so given, and for this, error is assigned. The request is as follows:

"7. If you find from the evidence that the talk between Marshall and Rigby about putting in the plug in the heater was merely determining the best mode of putting the same in condition for use, until the 'pop valves' came, they having equal knowledge of the defect, and the safety of using the same in that condition; and that Marshall telegraphed Rigby to get car No. 22 ready for use; and under Marshall's order Rigby went ahead and used the heaters, assuming all the direction as to its use in that

condition, the mode of building the fire, and thawing out of the pipes, and had sole charge of the work, then I say to you that the doctrine of promise to repair defective machinery, would not apply to him. Under such a state of facts, and in that case, he should be held to assume the risk of the use of such defective heater, and he cannot recover in this case.

"The promise to repair the defective heater claimed in this case, must have been made for the benefit of the plaintiff, and to induce him to continue work and not simply in the interest of the defendant. And if you find from the evidence that it was merely a talk between Marshall and Rigby as to the best way to prepare the car for use, to put a plug in until the 'pop valves' came; both having equal knowledge of the safety valve and its use, and was not intended for an order to Rigby to use it against his judgment, then I say to you that the doctrine of promise to repair defective machinery and continued use by an employe, does not apply, and Rigby would be held to have assumed the risk of the use of the heater in such condition, and he cannot under such circumstances recover in this case."

Exception was taken to the refusal to give this instruction, as well as to others not given. After argument, the court charged the jury, and special and general exceptions were taken. The jury found for the plaintiff. Defendant's motion for new trial was overruled, and judgment entered on the verdict, which was affirmed by the circuit court, and error is prosecuted here to reverse the judgments of both courts.

/ The questions raised on the general charge are stated in the opinion.

PRICE, J. It is disclosed by the record that this case has been thrice tried to a jury, each trial resulting in a verdict and judgment for the plaintiff. The judgments rendered on the first and second verdicts were reversed by the circuit court, but it affirmed the last judgment, and we have the controversies of the last trial before us on the petition in error and bill of exceptions, which contains all the evidence and the numerous questions of law which arose during the trial.

The assignments of error are many, and they have received our careful consideration. We discover no substantial error in the admission or exclusion of evidence, and all proper instructions asked by the railway company were either given in terms, or in substance in the general charge. They were not asked to be given before argument to the jury commenced, and therefore no legal right of plaintiff in error in that respect has been violated.

Defendant's special instructions four and seven were not given as requested, nor can it be said that their substance is embraced in the general charge. But the omission is not error, because the principle sought to be impressed by each request seems to be predicated upon the assumption of an important fact which was in dispute between the parties. This prominently appears in request seven, found in the statement of this case. It opens as follows: "If you find from the evidence that the talk between

Marshall (the master mechanic) and Rigby about putting in the plug in the heater, was merely determining the best mode of putting the same in condition for use, until the 'pop valves' came, they having equal knowledge of the defect, and the safety of using the same in that condition; and that Marshall telegraphed Rigby to get car No. 22 ready for use; and under Marshall's order Rigby went ahead and used the heaters, assuming all the direction as to its use in that condition, the mode of building the fire, and thawing out of the pipes, and had sole charge of the work, then I say to you that the doctrine of promise to repair defective machinery, would not apply to him. * * * * *

The railway company introduced evidence tending to prove that Rigby had skill and knowledge concerning the system of heating, equal and even superior to that of Marshall, the master mechanic, and that he was able to act, and in this case, did act, on his own knowledge, skill and judgment. However the plaintiff denied this, and asserts that his knowledge and skill are inferior, and that he relied on the judgment and directions of Marshall. Hence, it would have been error for the court to assume that they had equal knowledge on the subject, and on that assumption base an instruction calculated to materially affect the verdict.

We now come to the general charge of the court. To this charge counsel for the railway company have devoted much criticism, and urge that the law applicable to the issues and facts of the case was not given the jury, and that improper rules were submitted for its consideration, bearing on the risks assumed by Rigby; the duties of the railway company touching the same subject; the charge of contributory negligence made in its answer, and the promise of the superior to the employe to replace the plug with a safety valve.

We are of the opinion, however, that the charge does not justly deserve all that has been said about it; and if the court had left it with the jury when it seems to have reached a proper close, we could find no sufficient reason for a reversal of the judgment. But the court did not stop where the charge properly ended. This language follows: "Now, gentlemen, this case has occupied a number of days and the evidence covers a wide field of inquiry, and, as you see from the somewhat lengthy instruction I have given you, that numerous questions of law arise. I have endeavored to give you them as clearly as I possibly could, but in view of their length, it is possible that men not familiar with the examination of legal questions might not readily apprehend them; therefore, in connection I will summarize what I have thus said, and make it as near as I can applicable to the particular case before you."

The summary was made, and after being introduced by the foregoing language, it would be quite natural for the jury to lose sight of much that had been said during the progress of the long charge, and look to the attempted summing up of the whole matter within a much smaller compass, and which it would more readily grasp and remember. If the summary

was free from fault this would be well. On the other hand, if it embraces the virus of serious error the same became the more conspicuous and controlling with the jury. Less than two pages of the printed record contain the summary, of which we find the following on page 531:

"If you find at the time of the explosion and for several days prior thereto, there was no safety valve in the drum of the Baker Heater in car 22; that said safety valve had been removed and replaced by a solid plug, and that Rigby knew of these facts when he attempted to thaw out said heater at the time of the explosion complained of; and further if you find that the said explosion resulted wholly from the fact that said drum had a solid plug instead of a safety valve, then Rigby would, nevertheless, be entitled to recover in this action if you find by a preponderance of the evidence either, that in attempting to thaw out said heater, as he did, he was acting in obedience to a positive order of his superior, that a person of ordinary prudence would, under the circumstances, have obeyed such order, and that in obeying such order he used ordinary care; or that Rigby informed his superior of the want of a safety valve in said drum and that said superior ordered him to put in a solid plug and to use said drum with a solid plug, and then promised Rigby to have said solid plug promptly replaced by a proper safety valve, and that Rigby, in reliance upon such promise, continued in the employ of the Northern Ohio Railway Co., and that a reasonable time to replace said plug, had not elapsed between said promise and said explosion, and that in getting said car 22 ready for the road at the time of the explosion, he used reasonable and ordinary care, unless you find that no ordinary prudent man would, under all the circumstances have continued in such employment and obeyed such order."

To say the least of this paragraph, it is very much involved, and if there was any confusion in the preceding instructions, it became worse confounded in this summary. The jury was told, that if there had been no safety valve in the drum of the heater for several days, that it had been removed and replaced by a solid plug of which facts Rigby had knowledge when he attempted to thaw out the heaters, and if the explosion resulted wholly from the fact that the drum had a solid plug instead of a safety valve, "then Rigby would nevertheless be entitled to recover," if the jury should find from a preponderance of the evidence, either, that in attempting to thaw out the heater he was acting in obedience to a positive order of his superior, which a prudent person, under the circumstances would have obeyed; or, that if the jury find that Rigby had informed his superior of the want of a safety valve, who informed him to put in the solid plug and so use the heater until the plug could be replaced by a safety valve, and Rigby relied on the promise and continued in the employ of the railway company, and a reasonable time in which to replace the safety valve had not elapsed at the time of the explosion, provided he used

ordinary care; unless the jury found that no ordinarily prudent man would have continued in the service and obeyed such order.

We have endeavored to analyze this paragraph, and place the component parts in such juxtaposition with each other, as to convey a clear meaning, but without success. It starts abruptly and as it is unfolded it becomes more complex. The premises for the principle inculcated, are laid after its assertion, and the paragraph ends with a qualification which reflects no light on what precedes it.

The evidence at least tends to prove, that Rigby had taken the safety valve from car 22 and put it on the drum of the heater of another car, and this too, several days prior to the explosion. True, it was done after consultation with Marshall, and by his directions. Another fact which the evidence tends to prove, is that there was no steam pressure gauge on the heater in car 22, and had not been for several days, which fact was well known to Rigby. The evidence further tends to prove that Rigby, beside the knowledge of this condition of the heater, possessed large experience as foreman of car repairers, and also had considerable experience with the Baker system of heating and the method of thawing out the pipes when frozen.

Such being the state of the evidence, the court, in its summary, in effect says, that although Rigby knew of the absence of the valve, he might "nevertheless recover, if he was acting in obedience to a positive order of his superior," where a person of ordinary care would have obeyed such order. The order relied on as inducing Rigby's conduct on the day of the explosion, came by wire from Marshall—"Get car 22 ready." We are not directed to any other order, and we discover none other in the record. It seems to be conceded that such was at least the substance of the order. The court speaks of this as a positive order, obedience to which enters into one of the conditions of recovery. It may be a positive order to get the car ready, but it is silent as to the means to be used in that behalf. It prescribes no means or method, and it may be quite true that Marshall, at the time the message was sent, was not aware that the pipes were frozen. The order may have implied thawing out of the pipes, if necessary to get the car ready, but Rigby was left to use his own judgment as to the manner of performing the duty.

The natural tendency of the instruction was, that the order to get the car ready, implied the use of the means which Rigby adopted in thawing out the pipes. To prevent such misunderstanding on the part of the jury, the court should have been more explicit on the vital and perhaps turning point in the case.

The balance of the paragraph stating the other condition of recovery is equally unfortunate in its language, and we think as a whole it is erroneous and misleading.

Without further comment, we very reluctantly conclude, that for this error, the judgment must be reversed, and the cause remanded for another trial.

Judgment reversed.

BURKET, C. J., SPEAR, DAVIS, SHAUCK, and CREW, JJ., concur.

THE KELLY ISLAND LIME AND TRANSPORT CO. v.
PACHUTA, ADMX.

69 O. S., 462.

(Decided February 2, 1904.)

*Employer not liable to one servant—For negligence of another servant—
Law of master and servant.*

ERROR to the Circuit Court of Ottawa county.

CREW, J.—At the time of the injury to John Pachuta which resulted in his death, and gave rise to this action, he was employed by the plaintiff in error as a quarryman in its limestone quarry at Marblehead, in Ottawa county, Ohio. He had been in the employ of, and had worked for said company for about twenty years and for about nine years had been employed in the company's quarry at Marblehead. There were in this quarry two ledges of rock, an upper ledge known and designated in the evidence as the "flux ledge" and a lower ledge known as the "limestone ledge" or "lower rock ledge." These ledges were from nine to twelve feet in height and the upper or flux ledge, which was furthest south, was about five hundred feet distant from the lower or limestone ledge. At the time he was injured, the deceased, John Pachuta, with other workmen, was working upon this lower or limestone ledge and was engaged in quarrying and breaking up and removing stone from said quarry. The method employed in this quarry for loosening and getting out the stone was that of blasting, holes were drilled short distances apart along these ledges of rock, these holes were loaded or charged with powder or dynamite and the charge was then exploded by means of an electric battery. This was called "battery blasting," and the usual effect of such blast was to sever the edge of the ledge of rock along which the blast was placed, from the main body, after which the rock so severed or blown off was broken up by the workmen into smaller pieces, and when so broken up and prepared it was then taken to the kiln for burning, or to railroad cars for shipment. The blasting at this quarry was, and for several years had been in the immediate

charge of one John Schaffer, whose duty it was to superintend the preparation and firing of these "battery blasts" and to give warning and notice to the other workmen in the quarry when a blast was about to be fired that they might seek a place of safety before such blast should be discharged. Schaffer had as an assistant in the preparation and firing of these battery blasts a man by the name of Onko, and in obedience to instructions issued by the general quarry foreman, Mr. Fillabaum, it was usual for one or the other of these two men—Schaffer or Onko—after a blast had been prepared and was ready to be discharged, to give notice to the other workmen in the quarry that a blast was about to be fired, and this they did, according to the custom of the quarry by going near to such other workmen and calling out the word "fire," after which sufficient time was allowed them to get under cover or to withdraw to a place of safety before the blast was discharged. Schaffer, who in the language of the quarry was known as the "powder man," had no authority or control over Pachuta or the other workmen employed in said quarry; but Schaffer, Onko and Pachuta were each and all of them directly and immediately under the same foreman, Mr. Frank W. Fillabaum. On the day of, and immediately prior to, the injury received by Pachuta, which resulted in his death, a number of holes had been drilled in the upper or flux ledge of said quarry and these holes had been loaded with dynamite. After the blast had been so prepared, Schaffer sent Onko to the lower ledge to notify the men then working there, one of whom was Pachuta, that a blast was about to be discharged. Onko went along the lower ledge and gave the usual warning by calling out, "fire"; several of the workmen heard the warning and withdrew to a place of safety; others claimed they did not hear it. Pachuta, who is not shown to have heard the warning, remained where he was then at work, and when the blast was discharged he was struck by a stone thrown out by said blast and received injuries, from the effects of which, four days later, he died. To recover damages for causing his death, this action was brought by his administratrix against the plaintiff in error, The Kelly Island Lime & Transport Co., she alleging in her petition that his death was caused by, and resulted from, negligence on the part of said company. While acts of negligence other than that of a failure to give notice were charged by defendant in error, in her petition, no claim was made that the company did not exercise due care in the selection of its servants, nor is there any charge that such servants were incompetent, and upon the undisputed facts of this case no right of recovery exists in her favor, and no liability on the part of plaintiff in error is shown, unless such right exists and such liability arises from a failure to give notice or warning to Pachuta that a battery blast was about to be exploded. Assuming then, as we do in this case, that from the evidence, the jury was authorized to find that no such notice was given him and that the death of Pachuta resulted from, and was in consequence of, the failure of Schaffer to give, or cause to be given, proper notice of the intended discharge of said blast, the only question we have thought it neces-

sary to consider upon this record, is whether such neglect and failure upon the part of Schaffer, is in law imputable to the plaintiff in error, The Kelly Island Lime & Transport Co., who was the common employer of Schaffer, Onko and Pachuta, and whether such company is liable for, and legally chargeable with, the results of such negligence. The determination of this question involves a consideration of the question as to whether or not Schaffer, Onko and the deceased, John Pachuta, were fellow-servants. The genral rule that a common master cannot be made responsible for injuries resulting to a servant from the negligence of a fellow-servant, is a principle now well established in almost all jurisdictions. This rule in Ohio was recognized and announced by this court almost half a century ago in the case of *Railroad Co., v. Keary*, 3 Ohio St., 201, and has since been followed by a long and uninterrupted line of decisions to the same effect.

It remains then only to determine whether under the rule in Ohio, defining and prescribing who shall be deemed and held to be fellow-servants, John Pachuta was a fellow-servant, engaged in a common employment, with the parties Schaffer and Onko, who had charge of the battery blast at the time Pachuta was injured.

At the time of the accident these persons were all engaged in the common employment of getting out stone from this quarry—Schaffer and Onko in blasting the stone off from the ledges, and Pachuta after it was so blown off, in breaking it up into smaller pieces and thus preparing and making it ready for the kiln, or for shipment. Although working in different parts of the same quarry their work was in connection with each other and had relation to the same common end, that of getting out the stone, and their co-operation was necessary to bring about that result. They were all employed by, and were serving the same master, neither was in a position of subordination to, or subject to the order and control of the other, but they were each and all of them under the immediate control and authority of the same foreman, Frank W. Fillabaum, and were all engaged in the same general work. In Ohio the test to be applied in determining whether a particular servant is a vice-principal or a fellow-servant, except in certain cases where the rule has been modified by statute, is whether or not he has been placed by his employer in a position of control or authority over his co-employee. That this, rather than the nature and character of the work being done, is the controlling and governing test in this state, would seem to be well settled by the following authorities: *Railroad Co. v. Keary*, 3 Ohio St., 201; *Railway Co. v. Lewis*, 33 Ohio St., 196; *Railway Co. v. Ranney*, 37 Ohio St., 665. In *Railroad Co. v. Keary*, we find the following syllabus:

“But a principal is not liable to one servant in his employ for injuries resulting from the carelessness of another servant, when both are engaged in a common service, and no power or control is given to the one

over the other. They stand as equals to each other, and are alone liable for the injuries they may occasion.

"But when the failure occurs in that branch of the service committed by the principal to the subordinate servants, it is their fault, and not that of their employer, and a breach of their obligations, and not his; and where they enter the service with a knowledge that several are to be engaged, each takes upon himself the hazards of the employment including that of negligence by fellow-servants, and public policy requires that they should be interested in exercising supervision over each other."

In *Railway Co. v. Lewis*, supra, Day J., in the opinion, says, at page 199: "A master, whether an individual or a corporation, is responsible to his servants for his own negligence, but not for that of their fellow-servants. This is the general rule, subject, however, to the modification recognized in the jurisprudence of this state, that where one servant is placed in a position of subordination to, and subject to, the orders and control of another servant of a common master, and the subordinate servant, without his fault, is injured through the negligence of the superior servant while both are acting in the common service, the master is liable therefor. *P., Ft. W. & C. Ry. Co. v. Devinney*, 17 Ohio St., 197; *Berea Stone Co. v. Kraft*, 31 Ohio St., 287."

Again, in the case of *Railroad Co. v. Margrat*, 51 Ohio St., 130, Judge Bradbury, in discussing the question of who are fellow-servants, at page 141, says: "Was the engineer in charge of locomotive a fellow-servant of Margrat for the consequences of whose negligence the company was not liable to the latter? Margrat and the engineer in charge of the locomotive that struck him were in the employment of the same master. The former was a brakeman on one train, while the latter was an engineer on another train of the same company. Neither had been clothed with authority over the other, therefor the relation of superior and subordinate between them had not existed in fact. In the absence of such relation, their common employer would not be liable to either for injuries received through the negligence of the other, unless the rules of law upon the subject heretofore announced by this court have been abrogated."

In the light of these authorities, upon the undisputed facts in this case, the conclusion that Schaffer, Onko and Pachuta were fellow-servants, is inevitable. It is, however, contended in this case, by counsel for defendant in error, that because of the nature of the work, a duty was by law imposed upon the master. The Kelly Island Lime & Transport Co., in respect to furnishing a safe place for its workmen, and that the duty so imposed included the duty and obligation to give notice and warning to such workmen, whenever a blast was about to be discharged in said quarry. That this duty on the part of the master was an absolute duty and that it could not be delegated by the master so as to absolve him from liability in case of the failure to perform such duty by the person to whom the

same might be delegated. We need not here enter upon a discussion of the rule as to the liability of an employer for failure to furnish a "safe place," inasmuch as such rule can have no application to a case such as we are now considering. In this case the deceased, John Pachuta, at the time he was injured was working in an open quarry, engaged with other workmen, in getting out, quarrying and removing stone therefrom. The quarry itself was not an unsafe place, and if it became so it was only by reason of the negligence of a fellow-servant engaged in a common employment with decedent and during the progress, and while performing a part of, the work incident to such common employment. To such condition of facts the rule of "safe place" can in Ohio have no application. *Railroad Co. v. Webb*, 12 Ohio St., 475; *Coal & Mining Co. v. Admr. of Clay*, 51 Ohio St., 542; *Cullen v. Norton*, 126 N. Y., 1. In support of the claim that the dangerous character of the work and the obligation of the master to maintain a safe place, imposed upon the plaintiff in error the absolute duty of giving actual notice to the workmen in the quarry before the discharge of each battery blast, counsel for defendant in error cite us to the case of *Mooney v. Bellville Stone Co.*—a New Jersey case—found in American Negligence Reports, vol. 4, page 195, where it is held upon a state of facts very similar to those in the case at bar, that the giving of warning was a duty owed by the employer to the employes, and the failure of the foreman of a gang of workmen, to perform this duty carefully, was imputable to the defendant as employer. This case is directly in point. But the rule therein laid down cannot, we think, be taken and accepted as the law in Ohio. In holding the master liable in this case, the New Jersey Court of Appeals, does so upon the theory that the duty of the master to maintain a "safe place" is imperative and absolute; and that such duty is violated and the master made liable if through the negligence of a fellow-servant, because of his failure to give proper warning, the place is made temporarily dangerous and unsafe, by the doing of that which in the prosecution of the particular business, was usual and necessary to be done, and the doing of which was but a part of, and incidental to, the proper conduct and management of such business itself. In other words, the court in effect holds, that the obligation and duty of the master is that of a guarantor or insurer. Such is not the law in Ohio. Hence the doctrine of this case can have no application in this state. *Railroad Co. v. Webb*, 12 Ohio St., 475; *Railroad Co. v. Fitzpatrick*, 42 Ohio St., 318. Further, the New Jersey rule for determining the liability of a master, and as to who are fellow-servants, is not the same as the rule in Ohio. In New Jersey, the character of the work being performed is the governing test—*Knutter v. N. Y. and N. J. Telephone Co.*, 67 N. J. L., 646—while in Ohio the question of control is the test to be applied.

In the case at bar, the only negligence shown, being the negligence of

a fellow-servant of the decedent, John Pachuta, the master, The Kelly Island Lime & Transport Co., cannot be held liable for the results of such negligence. The plaintiff in error was, upon the record, entitled to have judgment in its favor, and its motion to arrest the case from the jury, and for judgment, should have been sustained.

Judgment reversed and judgment for plaintiff in error.

SPEAR, DAVIS, SHAUCK and PRICE, JJ., concur.

THE CLEVELAND, LORAIN & WHEELING RAILWAY CO.
v. SHANOWER.

70 O. S., 166.

(Decided April 26, 1904.)

Engineer and brakeman—Fellow-servants—Section 3365-22, Revised Statutes.

ERROR to the Circuit Court of Tuscarawas county.

Plaintiff by his petition, after certain formal allegations, alleged that on the twelfth day of December 1899, he was directed by the defendant, plaintiff in error here, to act as brakeman on one of its freight trains, which train consisted of about thirty-two cars, a locomotive engine, and caboose; that on said date, while the train was in motion and running northward on said railroad, a short distance north of Flushing, the train of cars parted about twenty-two cars from the locomotive engine, leaving about ten cars and the caboose following the engine and twenty-two cars; that the engineer, with full knowledge that the train had parted, and that the said ten cars and caboose were following, carelessly and negligently permitted the said ten cars and caboose to overtake and collide with the twenty-two cars and the locomotive engine, wrecking the said cars, and thereby injuring the plaintiff to such an extent that his left leg had to be, and was, amputated; that the plaintiff was in the exercise of ordinary care and without fault or negligence on his part and that the engineer was employed by the defendant and actually had power and authority, as such employe, to direct and control the fireman employed by the defendant and working upon said locomotive engine attached to and hauling said train; and that the plaintiff as such employe, had no authority to direct and control any employe or person in the service of the defendant.

This petition was demurred to, for the reason that it does not state facts sufficient to constitute a cause of action in favor of the plaintiff against the defendant. The demurrer was overruled, and, after answer and reply, trial was had in the court of common pleas; and at the close of the plaintiff's testimony, as well as at the close of all the testimony, the defendant requested the court to instruct the jury to return a verdict in favor of the defendant, which was refused; and the court charged the jury, among other things, as follows: "If you find by a preponderance of the evidence that the engineman actually had power or authority to direct or control the fireman, and that the plaintiff, a brakeman, had no power or authority to direct or control any employe in the branch or department in which he was employed, then I charge you that the engineman and the plaintiff were not fellow-servants."

The court of common pleas overruled the motion for a new trial, and, on petition in error in the circuit court, the judgment was affirmed. Defendant below prosecutes error to reverse both of the judgments below.

DAVIS, J. This case is not controlled by the decision in *Railway Co. v. Margrat*, 51 Ohio St., 130. The facts of that case were held to justify the application of the statutory rule provided in the last clause of section 3365-22, Revised Statutes. Inasmuch as the engineer and the injured brakeman were engaged in distinctly separate enterprises, that is, the operation of separate trains, it was held that the engineer was a person "having charge or control of employes in any separate branch or department" and therefore the superior and not the fellow servant of the brakeman on another train who had "no power to direct or control in the branch or department" in which he was employed. There may be reasons for doubting the soundness of that interpretation of the words "separate branch or department," but that question does not necessarily arise here.

The statute is in derogation of the common law, and therefore it cannot be enlarged beyond its terms. It declares that it is intended to add to the liability already recognized by law. It does this in two particulars: First, it makes obligatory upon the courts of this state the superior servant rule, which was first announced in this court in *Little Miami Railroad Co. v. Stevens*, 20 Ohio, 415, and which was afterwards approved and followed in a number of other cases in this and other states, although it has been repudiated in many others. Second, it creates by force of the statute a relation of superior and subordinate where none exists in fact, and brings it within the operation of the rule mentioned. The contention in this case is to bring the engineer and brakeman within the second particular; for it does not seem to be seriously contended that the brakeman was actually under the direction or control of the engineer. There is in evidence a rule of the railway company which contains this sentence: "When there is no conductor, or he is disabled, the engineman will have charge of the train, and will be governed by the rules prescribed for conductors." But there was a conductor on this train, and he was not

disabled. Shall we assume that the mere breaking of a link or a coupling pin dethroned him, and delegated from the master to the engineer authority to control the brakeman? The rules which are in evidence disclose no such provision, and we discover no foundation in fact or in reason, for making such an assumption. Upon cogent reasoning this court held in *Railway Co. v. Ranney*, 37 Ohio St., 665, that the relation of superior and subordinate, as between an engineer and a brakeman, is not created by a rule which requires the engineer to give certain signals, and which also requires brakemen to work the brakes in response to the signals. And much less could such a relation be implied from, or created by, the brakeman signalling to the engineer the information that the train had parted, and by the answering signal of the engineer.

It is conceded that the fireman is subordinate to the engineer; but in order that this case may be controlled by the last clause of section 3365-22, Revised Statutes, it is necessary that the engineer and the brakeman should be in different branches or departments of service. Whatever may be the exact definition of the words "branch or department," as used in the statute, it seems clear to us that the engineer and the brakeman were associated in a common employment and in the same branch or department, viz.: that of operating the same train of cars. It does not appear that as between them there was any relation of superior and subordinate, either in fact or in law. Therefore, if there was negligence on the part of the engineer which produced the injury complained of, it was the negligence of a fellow-servant. It follows that the plaintiff has neither alleged nor proven a cause of action against the defendant.

It is insisted by counsel that this conclusion involves an injustice to somebody. For example, if we may suppose that the same act of negligence by the engineer, which caused the injury to the plaintiff, also caused an injury to another brakeman on another train; yet the latter may recover under *Railway Co. v. Margrat*, while the former may not. This is true, and assuming that *Railway Co. v. Margrat* correctly construes the statute, the result is attributable to the statute itself. While attempting to modify the common law, it has not entirely abrogated it.

The court of common pleas erred in refusing to direct a verdict for the defendant below, and also erred in the charge. The judgment of the circuit court affirming that of the court of common pleas, and the judgment of the court of common pleas are both

Reversed and judgment rendered for plaintiff in error.

SHAUCK, PRICE, CREW and SUMMERS, JJ., concur.

PART II.

Manufactures.

MANUFACTURES.

STATE SUMMARY.

Giving totals and averages for 1903 compared with 1902.

Classification.	1902.	1903.	Increase.	Decrease
Number of establishments reporting..	5,865	7,961	2,096	.....
Number of males employed (monthly average).....	267,025	290,217	23,192	.....
Number of females employed (monthly average).....	46,409	53,642	7,233	.....
Number of superintendents, salesmen and office help (monthly average)...	28,615	31,603	2,988	.....
Capital invested in grounds, buildings and machinery.....	\$364,609,905 00	\$385,895,325 00	\$21,285,420 00	.....
Value of goods produced or manufactured.....	714,822,131 22	759,039,559 25	44,217,428, 03	.....
Amount paid for rent, taxes and insurance.....	10,084,214 36	11,537,537 90	1,453,323 54	.....
Amount paid in wages.....	156,572,176 98	172,485,277 69	15,913,100 71	.....
Amount paid superintendents, salesmen and office help.....	29,282,045 04	33,844,195 32	4,562,150 28	.....
Number affected by advance in wages	96,257	62,537	.....	33,720
Number affected by reduction in wages.....	895	4,267	3,372	.....
Average per cent. advance in wages...	9.1	7.9	.....	1.2
Average per cent. reduction in wages..	6.6	6.5	.....	0.1

THE DIVISIONS.

CLEVELAND.

Classification.	1902	1903.	Increase.	Decrease
Number of establishments reporting..	896	930	34	.....
Number of males employed (monthly average).....	46,828	56,544	9,716	.....
Number of females employed (monthly average).....	8,465	9,213	748	.....
Number of superintendents, salesmen and office help (monthly average)...	5,456	5,891	435	.....
Capital invested in grounds, buildings and machinery.....	\$ 66,661,757 00	\$ 75,847,548 00	\$ 9,185,791 00	.....
Value of goods produced or manufactured.....	111,855,763 06	129,495,904 05	17 640,140 99	.....
Amount paid for rent, taxes and insurance.....	2,196,378 69	2,442,735 90	246,357 21	.....
Amount paid in wages.....	27,623,395 57	35,261,744 73	7,638,349 16	.....
Amount paid superintendents, salesmen and office help.....	5,663,643 60	6,118,815 48	455,171 88	.....
Number affected by advance in wages	16,109	12,655	.....	3,454
Number affected by reduction in wages.....	63	503	.....	440
Average per cent. advance in wages..	9.6	7.2	.....	2.4
Average per cent. reduction in wages..	8.2	12.	.....	3.8

COLUMBUS.

Classification.	1902.	1903.	Increase.	Decrease
Number of establishments reporting..	377	394	17	.....
Number of males employed (monthly average).....	11,499	13,671	2,172	.....
Number of females employed (monthly average).....	3,120	3,238	118	.....
Number superintendents, salesmen and office help (monthly average)...	2,072	2,305	233	.....
Capital invested in grounds, buildings and machinery.....	\$13,774,542 00	\$17,713,739 00	\$3,939,197 00	.....
Value of goods produced or manufactured.....	32,193,160 30	39,171,950 85	6,978,790 55	.....
Amount paid for rent, taxes and insurance.....	546,908 93	629,940 25	83,031 32	.....
Amount paid in wages.....	6,841,564 77	8,137,655 01	1,296,090 24	.....
Amount paid superintendents, salesmen and office help.....	2,399,540 28	2,642,249 64	242,709 36	.....
Number affected by advance in wages	4,831	3,541	.....	1,290
Number affected by reduction in wages.....	6	20	.....	14
Average per cent. advance in wages..	9	5.6	.....	3.4
Average per cent. reduction in wages..	8.5	7.1	.....	1.4

CINCINNATI.

Classification.	1902.	1903.	Increase.	Decrease
Number of establishments reporting..	1,141	1,214	73	.....
Number of males employed (monthly average).....	42,657	44,926	2,269	.....
Number of females employed (monthly average).....	13,311	15,053	1,742	.....
Number of superintendents, salesmen and office help (monthly average)...	6,586	6,970	384	.....
Capital invested in grounds, buildings and machinery.....	\$ 84,750,990 00	\$ 86,200,998 00	\$ 1,450,008 00	.....
Value of goods produced or manufactured.....	139,821,278 54	150,901,290 34	11,080,011 80	.....
Amount paid for rent, taxes and insurance.....	2,653,542 07	2,963,625 90	310,083 83	.....
Amount paid in wages.....	25,654,898 06	28,300,555 66	2,645,657 60	.....
Amount paid superintendents, salesmen and office help.....	6,967,239 60	7,397,011 20	429,771 60	.....
Number affected by advance in wages.....	11,521	8,465	.....	3,056
Number affected by reduction in wages.....	.....	90	.....	90
Average per cent. advance in wages.....	8.9	9.4	.....	.5
Average per cent. reduction in wages.....	.....	10.0	.....	10.0

DAYTON.

Classification.	1902.	1903.	Increase.	Decrease
Number of establishments reporting..	243	255	12	.....
Number of males employed (monthly average).....	12,948	14,477	1,529	.....
Number of females employed (monthly average).....	2,308	2,545	237	.....
Number superintendents, salesmen and office help (monthly average)...	1,529	2,015	486	.....
Capital invested in grounds, buildings and machinery.....	\$ 14,424,588 00	\$ 16,607,002 00	\$ 2,182,414 00	.....
Value of goods produced or manufactured.....	36,929,000 67	39,461,168 56	2,532,167 89	.....
Amount paid for rent, taxes and insurance.....	464,792 51	498,345 82	33,553 31	.....
Amount paid in wages.....	8,062,622 64	9,401,936 34	1,339,313 70	.....
Amount paid superintendents, salesmen and office help.....	1,544,279 16	3,312,104 40	1,767,825 24	.....
Number affected by advance in wages.....	2,846	4,403	1,557	.....
Number affected by reduction in wages.....	2	411	409	.....
Average per cent. advance in wages.....	8.6	7.2	.....	1.4
Average per cent. reduction in wages.....	3	4.5	.....	1.5

TOLEDO.

Classification.	1902.	1903	Increase.	Decrease
Number of establishments reporting..	281	324	43	.....
Number of males employed (monthly average).....	11,068	12,659	1,591	.....
Number of females employed (monthly average).....	1,809	2,084	275	.....
Number superintendents, salesmen and office help (monthly average)...	1,246	1,393	147	.....
Capital invested in grounds, buildings and machinery.....	\$ 11,804,922 00	\$15,096,647 00	\$3,291,725 00	.....
Value of goods produced or manufactured.....	26,815,226 18	33,038,883 47	6,223,657 29	.....
Amount paid for rent, taxes and insurance.....	633,912 94	743,579 17	109,666 23	.....
Amount paid in wages.....	6,092,486 32	7,484,519 48	1,392,033 16	.....
Amount paid superintendents, salesmen and office help.....	1,242,875 64	1,383,486 00	140,610 36	.....
Number affected by advance in wages	4,147	4,381	234	.....
Number affected by reduction in wages.....	55	48	.....	7
Average per cent. advance in wages...	8.7	6.6	.....	2.1
Average per cent. reduction in wages..	9.3	10.3	1	.....

CITIES.

Classification.	1902	1903	Increase.	Decrease
Number of establishments reporting..	1,976	2,810	834	.....
Number of males employed (monthly average).....	80,108	113,336	33,228	.....
Number of females employed (monthly average).....	14,617	17,286	2,669	.....
Number superintendents, salesmen and office help (monthly average)...	8,128	9,904	1,776	.....
Capital invested in grounds, buildings and machinery.....	\$102,297,849 00	\$137,963,187 00	\$35,665,338 00	.....
Value of goods produced or manufactured.....	190,095,597 02	293,003,190 11	102,907,593 09	.....
Amount paid for rent, taxes and insurance.....	2,324,395 44	3,254,221 92	929,826 48	.....
Amount paid in wages.....	46,180,077 29	66,296,336 25	20,116,258 96	.....
Amount paid superintendent, salesmen and office help.....	8,016,179 76	10,172,451 48	2,156,271 72	.....
Number affected by advance in wages	28,698	21,065	.....	7 633
Number affected by reduction in wages.....	95	2,135	2,040	.....
Average per cent. advance in wages...	9.7	7.7	.....	.....
Average per cent. reduction in wages	12.5	4.5	.....	.....

VILLAGES.

Classification.	1902	1903	Increase.	Decrease
Number of establishments reporting..	861	2,034	1,173	.....
Number of males employed (monthly average)	24,300	34,602	10,302	.....
Number of females employed (monthly average).....	2,583	4,223	1,640	.....
Number superintendents, salesmen and office help (monthly average).	2,242	3,125	883	.....
Capital invested in grounds, buildings and machinery.....	\$31,266,348 00	36,466,204 00	\$5,199,856 00	.....
Value of goods produced or manufactured.....	53,183,323 74	73,967,171 87	20,783,848 13	.....
Amount paid for rent taxes and insurance.....	655,236 28	1,005,088 94	349,852 66	.....
Amount paid in wages.....	11,169,077 52	17,602,530 22	6,433,452 70	.....
Amount paid superintendents, salesmen and office help.....	1,953,885 48	2,818,077 12	864,191 64	.....
Number affected by advance in wages	11,041	8,027	.....	3,014
Number affected by reduction in wages.....	313	1,060	747	.....
Average per cent. advance in wages..	8.5	9.9	1.4	.....
Average per cent. reduction in wages.	8.3	8.2	.....	0.1

12. Give below the number of employes in each separate occupation or branch of work, naming the occupation or trade, with the average daily wages and the average hours of labor per day, and also state whether there has been an advance or reduction in wages during 1903, and how much per cent. Do not include salaried officials or office help.

INCLUDE ALL EMPLOYES OVER 14 YEARS OF AGE

[illegible]

LAWS GOVERNING THE COLLECTION OF STATISTICS.

Sec. 308. The commissioner shall have an office in the state house which shall be a bureau of labor statistics, and he shall collect, arrange and systematize all statistics relating to the industrial, social, educational and sanitary conditions of the laboring classes, and to the productive industries of the state, including the names of firms, companies, or corporations, where located, capital invested in grounds, buildings and machinery; class and value of goods produced or manufactured; number of days in operation; amount paid yearly for rent, taxes and insurance; amount paid in wages; number of employes, male and female; number engaged in clerical work and manual labor, with detailed classification of the number and sex engaged in each class or occupation, and the average daily wages paid to each. Said commissioner is authorized to appoint special agents to represent the bureau with authority to visit the delinquent firms and collect such statistics, and perform such other duties as may be required, with like power as is conferred by law upon said commissioner. * * * *

Sec. 309. The commissioner shall have power to send for persons and papers, to examine witnesses under oath, to take depositions, to cause them to be taken by others by law authorized to take depositions; and said commissioner may deputize any uninterested person to serve subpoenas upon witnesses, who shall be summoned in the same manner and paid the same fees as witnesses before a county court, but for this purpose persons are not required to leave the vicinity of their residence or place of business; and any person or owner, operator, manager or lessee of any mine, factory, workshop, warehouse, elevator, foundry, machine shop, manufacturing or other industrial establishment, or any agent or employe of such owner, operator, manager or lessee who shall refuse said commissioner admission therein for the purpose of inspection, or who shall, when requested by him, willfully neglect or refuse to furnish to him any statistics or other information relative to his lawful duties which may be in their possession or under their control, or who shall willfully neglect or refuse, for thirty days, to answer questions by circular or upon personal application, or who shall knowingly answer any such questions untruthfully, or who shall refuse to obey the subpoenas and give testimony according to the provisions of this act shall, for every such willful neglect or refusal, be deemed guilty of a misdemeanor,

and upon conviction thereof shall be punished by a fine of not less than fifty nor more than five hundred dollars.

Sec. 310. The commissioner shall make an annual report to the general assembly of the work done by the bureau. Said report shall be so compiled so as not to expose, without a written consent, the name or private affairs of any person, firm, company or corporation that has furnished such information as the bureau requires.

Note. As the time for the preparation of the annual report of the bureau of labor Statistics is limited by statute, all persons receiving this schedule are cautioned against delay beyond the time allowed by the above law, and also against the making of partial reports. All partial or incomplete reports will be returned for correction.

REMARKS.....
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TABLE I.

GIVING BY INDUSTRIES THE NUMBER OF ESTABLISHMENTS
REPORTED, CAPITAL INVESTED IN GROUNDS, BUILD-
INGS AND MACHINERY, TOTAL VALUE OF GOODS
PRODUCED OR MANUFACTURED, AND
AMOUNT PAID FOR RENT, TAXES
AND INSURANCE FOR THE
YEAR 1903.

TABLE 1a—MANUFACTURES—CLEVELAND.

Industries.	No. of Establish- ments Reported.	Capital Invested in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Advertising novelties and signs.....	2	\$300	\$34,500 00	\$1,450 00
Awnings, tents and flags.....	4	107,449	275,500 00	4,678 50
Bags (paper and burlap).....	4	491,504	1,864,830 12	11,690 41
Bicycles, bicycle sundries and automo- biles.....	11	1,146,738	2,492,496 15	43,576 38
Billiard tables, bar and store fixtures.....	4	59,000	191,000 00	6,525 00
Boilers, engines and tanks.....	11	2,033,350	2,078,758 99	37,915 06
Boots and shoes.....	3	26,427	719,715 99	6,948 50
Boxes (paper).....	4	289,000	359,942 25	7,092 00
Boxes (wooden).....	14	200,992	963,096 59	25,388 53
Bread and other bakery products.....	19	937,735	1,655,946 36	24,910 71
Brick and tile.....	14	791,000	712,108 50	9,338 82
Brooms and brushes.....	5	43,600	197,760 00	4,560 00
Buttons (pearl).....	2	14,100	42,000 00	2,360 00
Carriages and wagons.....	27	354,744	587,549 11	26,222 45
Carriage and wagon materials.....	2	50,700	99,035 61	1,550 25
Chewing gum.....	2	58,803	1,300,974 69	2,300 00
Cigars.....	41	98,101	883,049 05	29,415 15
Clothing.....	166	521,867	9,590,043 88	251,832 21
Coffee, baking powder and spices.....	2	13,611	47,420 00	4,509 40
Coffins and burial cases.....	2	140,000	315,000 00	4,875 00
Confectionery.....	9	226,075	928,800 00	39,396 00
Cooperage.....	5	265,339	542,620 00	7,193 15
Copper and brass goods.....	18	710,150	1,501,768 80	36,411 90
Cotton and woolen goods (knit and woven)	9	1,508,984	3,254,887 06	46,937 61
Dairy products.....	3	48,300	356,500 00	9,020 00
Drugs, chemicles and druggists sundries...	14	783,183	1,187,301 50	50,479 04
Electrical goods and supplies.....	26	5,648,146	4,679,686 25	105,281 06
Elevators and hoisting machinery.....	2	54,000	159,583 00	4,410 00
Extracts, toilet articles and perfumery...	3	21,884	92,924 08	5,413 76
Fertilizers.....	3	322,639	549,037 88	8,400 32
Flouring mill products.....	3	137,569	733,000 00	8,151 73
Foundry and machine shop products.....	67	6,488,819	17,576,181 59	197,306 59
Furniture.....	13	195,770	425,194 22	17,611 08
Gas and electricity.....	3	9,158,660	2,887,164 26	213,485 77
Glass and glassware.....	3	52,316	159,845 55	4,622 50
Gun powder and other explosives.....	2	500,000	415,500 00	8,150 00
Hardware.....	14	1,624,988	2,830,302 67	37,944 15
Harness and saddlery.....	10	8,300	51,904 90	4,994 63
Hats, caps and furnishings.....	7	44,475	312,672 00	10,750 00
Ice (artificial).....	4	1,266,000	182,538 74	22,246 86
Inks.....	2	13,000	102,000 00	3,500 00
Iron (structural and architectural).....	13	982,054	2,772,928 53	38,683 23
Jewelry and watches.....	3	4,300	39,200 00	1,325 00
Leather and leather goods.....	4	98,335	357,632 68	6,910 27
Lime, sand, cement and plaster.....	2	25,000	51,500 00	3,377 40
Liquors (malt).....	9	9,086,000	3,910,075 00	79,431 80
Lithographing, engraving and electro- typing.....	9	208,225	358,591 24	12,022 28
Macaroni.....	3	67,000	139,500 00	2,400 00
Machinery.....	44	6,043,747	11,349,559 55	127,556 62
Marble and granite.....	8	121,100	285,760 00	6,400 80
Mattresses and pillows.....	3	24,000	244,305 57	4,089 48
Mouldings and frames.....	4	270,000	550,000 00	15,423 00
Oil and grease.....	8	3,631,651	5,973,551 09	77,310 78
Paints and varnishes.....	16	1,363,380	3,553,762 99	50,922 62
Patterns and models.....	3	63,550	95,273 89	4,952 46
Pianos and other musical instruments.....	2	34,500	94,500 00	1,130 26
Plating.....	2	5,400	21,500 00	1,750 00
Plumbing, steam and gas fitting supplies...	11	272,316	744,900 41	19,116 62
Printing and binding.....	52	1,794,935	2,339,129 11	95,710 09
Pumps and water-wheels.....	2	10,000	18,144 73	722 00
Roofing (iron, steel and tin).....	4	12,800	100,614 53	2,689 70
Rubber goods.....	3	5,650	44,664 45	1,932 00
Rugs and carpet cleaning.....	2	24,687	50,000 00	2,437 00
Salt.....	2	1,118,400	451,017 51	14,239 92
Sash, doors, lumber and interior finish...	23	675,998	4,346,149 00	109,975 92
Slaughtering and meat packing.....	8	638,221	5,444,050 00	13,518 00
Soap, candles and tallow.....	6	66,000	168,700 00	4,006 32
Soda and mineral waters.....	10	97,800	105,025 00	4,912 50
Steel, iron and tin.....	8	4,922,925	9,627,953 86	130,877 34
Stencils, stamps and seals.....	5	14,300	27,500 00	2,364 00
Stone (cut, sawed and artificial).....	5	3,109,059	1,918,548 14	35,720 90
Stoves, ranges and furnaces.....	13	1,083,589	3,308,728 97	43,237 53
Tinware, sheet iron and galvanized iron- ware.....	18	535,481	1,186,721 66	30,429 01

TABLE Ia—MANUFACTURES—CLEVELAND—Concluded.

Industries.	No. of Establish- ments Reported.	Capital Invest- ed in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Tools.....	14	\$992,677	\$1,763,008 52	\$27,211 32
Trunks and valises.....	6	8,400	143,500 00	13,425 00
Umbrellas and parasols.....	3	5,700	162,000 00	5,700 00
Wire rods, wire cloth and wire goods.....	14	1,167,600	1,361,020 00	56,616 29
Miscellaneous.....	29	805,150	3,046,747 83	45,363 02
Totals.....	930	\$ 75,847,548	\$129,495,904 05	\$ 2,442,735 90

TABLE 1b—MANUFACTURES—COLUMBUS.

Industries.	No. of Establish- ments Reported.	Capital Invested in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Awnings, tents and flags.....	4	\$35,850	\$52,500 00	\$1,728 00
Bicycles, bicycle sundries and automo- biles.....	5	30,000	119,090 00	8,290 00
Billiard tables, bar and store fixtures.....	5	103,850	269,626 00	7,132 00
Boilers, engines and tanks.....	6	218,899	304,736 91	9,731 69
Boots and Shoes.....	9	892,268	4,938,020 50	34,478 00
Boxes (paper).....	2	31,000	126,153 00	4,511 05
Boxes (wooden).....	2	18,300	128,300 00	2,215 00
Bread and other bakery products.....	3	211,502	852,432 21	15,241 73
Brick and tile.....	3	233,500	105,341 19	8,067 29
Brooms and brushes.....	3	2,150	25,025 00	502 00
Carriages and wagons.....	15	954,221	2,262,966 22	51,021 33
Carriage and wagon materials.....	7	121,200	528,000 00	6,330 00
Cigars.....	19	86,390	293,442 47	8,065 38
Clothing.....	46	70,660	741,978 00	43,797 90
Coffee, baking powder and spices.....	3	73,500	656,160 00	6,101 26
Confectionery.....	4	14,500	192,000 00	7,154 68
Copper and brass goods.....	2	18,000	50,000 00	700 00
Cotton and woolen goods (knit and woven).....	2	38,783	96,200 00	2,124 00
Dairy products.....	3	59,500	332,104 10	4,883 48
Drugs, chemicals and druggists' sundries.....	3	532,595	3,143,326 00	20,549 21
Extracts, toilet articles and perfumery.....	2		16,040 00	539 20
Flouring mill products.....	5	130,000	538,308 10	3,451 85
Foundry and machine shop products.....	22	1,366,412	3,650,653 75	32,623 15
Furniture.....	5	85,993	404,385 25	6,559 48
Furs.....	2	1,250	12,800 00	2,750 00
Gas and electricity.....	2	4,379,362	405,600 75	22,767 16
Glass and glassware.....	3	125,000	635,000 00	4,906 00
Gloves and mittens.....	3	14,900	112,000 75	2,945 25
Harness and saddlery.....	3	109,300	277,870 00	25,166 56
Hats, caps and furnishings.....	5	3,125	62,500 00	3,854 50
Ice (artificial).....	3	340,629	171,113 80	6,568 84
Iron (structural and architectural).....	4	50,500	346,432 88	2,311 85
Jewelry and watches.....	3	26,600	35,000 00	775 00
Leather and leather goods.....	2	93,000	250,000 00	5,700 00
Lighting apparatuses.....	5	95,643	196,000 00	3,640 00
Lime, sand, cement and plaster.....	7	93,763	186,817 90	2,637 29
Liquors (malt).....	4	1,250,000	2,085,378 62	72,706 84
Lithographing, engraving and electro- typing.....	5	39,250	185,231 78	4,401 70
Machinery.....	8	1,888,731	3,288,379 46	31,562 48
Paints and varnishes.....	4	78,723	325,000 00	5,064 00
Printing and binding.....	29	330,161	778,547 51	30,253 54
Roofing (iron, steel and tin).....	5	11,200	138,000 00	2,035 00
Rugs and carpet cleaning.....	4	7,500	40,488 12	1,630 00
Sash, doors, lumber and interior finish.....	13	144,700	546,252 57	16,966 29
Slaughtering and meat packing.....	2	2,900	9,000 00	1,235 00
Soap, candles and tallow.....	3	35,000	95,000 00	1,924 00
Soda and mineral waters.....	2	48,107	30,397 68	982 46
Starch.....	2	60,275	132,460 00	1,459 00
Steel, iron and tin.....	4	1,595,238	4,036,695 28	18,929 85
Stone (cut, sawed and artificial).....	2	10,500	100,000 00	975 00
Stoves, ranges and furnaces.....	10	242,845	497,646 40	11,612 34
Tinware, sheet-iron and galvanized iron- ware.....	10	113,144	429,457 84	8,043 50
Tools.....	6	154,895	240,731 17	5,073 73
Trunks and valises.....	3	15,500	77,200 00	6,700 00
Wire rods, wire cloth and wire goods.....	4	71,757	232,924 06	1,945 38
Miscellaneous.....	32	951,168	3,385,335 58	36,617 01
Totals.....	394	\$17,713,739	\$39,171,950 85	\$629,940 25

TABLE 1c—MANUFACTURES—CINCINNATI.

Industries.	No. of Establish- ments Reported.	Capital Invested in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Advertising novelties and signs.....	3	\$75,200	\$147,500 00	\$3,220 00
Awnings, tents and flags.....	7	149,761	307,910 16	9,750 56
Bags (paper and burlap).....	5	120,000	398,134 97	13,805 00
Bicycles, bicycle sundries and automo- biles.....	2	1,300	22,000 00	2,165 00
Billiard tables, bar and store fixtures.....	11	202,400	999,806 82	33,826 75
Boilers, engines and tanks.....	9	391,504	1,194,238 58	17,230 16
Boots and shoes.....	27	2,149,582	10,037,539 59	155,478 68
Boxes (paper).....	7	72,800	361,518 11	16,905 00
Boxes (wooden).....	11	251,988	725,414 08	13,454 34
Bread and other bakery products.....	26	573,588	3,727,191 89	61,737 72
Brick and tile.....	9	71,440	136,947 68	4,548 42
Brooms and brushes.....	9	30,000	142,450 00	6,661 00
Bungs.....	3	176,000	268,000 00	7,805 00
Carriages and wagons.....	51	928,360	5,079,064 49	106,443 71
Carriage and wagon materials.....	16	289,874	969,405 65	22,208 68
Cigars.....	57	487,251	3,035,175 08	58,675 34
Clothing.....	187	2,377,513	15,115,134 17	361,586 52
Coffee, baking powder and spices.....	8	98,452	1,075,539 48	15,204 34
Coffins and burial cases.....	4	637,500	1,128,500 00	17,549 00
Confectionery.....	14	238,955	1,075,712 00	29,752 00
Cooperage.....	10	837,110	1,033,073 63	16,941 70
Copper and brass goods.....	21	759,068	1,722,234 51	33,560 84
Cotton and woolen goods (knot and woven)	8	471,020	711,315 52	15,912 41
Drugs, chemicals and druggists' sundries.	20	345,162	1,485,955 11	19,600 09
Electrical goods and supplies.....	12	175,475	2,787,222 70	28,384 56
Elevators and hoisting machinery.....	5	215,550	409,350 28	6,219 40
Extracts, toilet articles and perfumery.....	5	50,300	242,565 00	3,536 00
Fertilizers.....	23	245,478	493,885 73	6,058 71
Flouring mill products.....	28	97,382	460,391 93	4,346 23
Foundry and machine shop products.....	28	1,344,630	3,360,443 96	58,693 08
Furniture.....	47	2,207,081	3,680,272 98	117,490 09
Glass and glassware.....	6	192,200	840,000 00	9,800 00
Hardware.....	4	174,520	403,576 35	12,412 56
Harness and saddlery.....	11	228,795	995,880 00	16,503 00
Hats, caps and furnishings.....	14	112,399	949,952 90	19,884 62
Ice (artificial).....	6	836,586	170,554 00	14,103 24
Inks.....	3	490,000	1,005,000 00	8,889 45
Iron (structural and architectural).....	8	406,352	1,528,367 60	33,319 34
Jewelry and watches.....	14	132,950	432,265 03	16,596 77
Leather and leather goods.....	14	1,256,618	3,622,926 93	52,444 96
Liquors (distilled).....	15	1,221,540	7,706,647 41	158,110 90
Liquors (malt).....	21	8,144,350	6,608,160 00	131,048 58
Lithographing, engraving and electro- typing.....	20	1,190,940	1,585,240 44	54,695 21
Machinery.....	57	2,483,568	4,777,236 91	120,907 30
Malt.....	3	301,000,000	550,812 00	22,201 00
Marble and granite.....	6	125,385	312,500 00	4,391 00
Mattresses and pillows.....	6	147,475	429,751 00	10,863 90
Mouldings and frames.....	9	290,900	672,492 71	46,701 00
Oil cloth and window shade cloth.....	2	85,300	231,000 00	7,630 00
Oil and grease.....	8	897,000	1,728,363 00	22,440 00
Paints and varnishes.....	14	1,023,058	3,191,000 36	49,979 32
Patterns and models.....	8	11,975	180,402 26	5,546 50
Pianos and other musical instruments.....	3	83,042	879,093 96	19,730 58
Pickles, preserves and sauces.....	6	210,838	1,379,018 94	42,358 13
Plating.....	2	166,000	354,082 82	3,577 06
Plumbing, steam and gas fitting supplies	6	674,197	1,168,000 00	13,114 24
Pottery and stoneware.....	2	58,500	69,300 00	2,923 65
Printing and binding.....	88	5,592,259	4,861,466 57	178,106 63
Printers' rollers.....	2	7,050	23,300 00	1,250 00
Pumps and water wheels.....	4	36,500	1,107,157 07	11,574 46
Regalia.....	8	68,489	422,469 83	14,425 00
Roofing (iron, steel and tin).....	7	41,280	262,674 00	4,422 00
Safes, vaults and locks.....	6	336,122	1,097,554 18	20,018 78
Sash, doors, lumber and interior finish.....	23	768,713	2,478,307 97	46,655 52
Slaughtering and meat packing.....	17	914,423	9,053,557 81	56,037 42
Soap, candles and tallow.....	18	7,795,452	12,853,122 04	90,091 28
Soda and mineral waters.....	12	118,450	139,166 00	3,112 00
Stencils, stamps and seals.....	5	45,200	75,000 00	6,070 00
Stone (cut, sawed and artificial).....	4	82,500	217,675 00	3,985 25
Stoves, ranges and furnaces.....	13	596,000	1,460,159 54	58,043 88
Tinware, sheet iron and galvanized iron- ware.....	22	375,476	1,334,771 78	29,148 86
Tobacco (chewing and smoking).....	5	150,513	1,203,903 21	9,353 80

TABLE 1c—MANUFACTURES—CINCINNATI—Concluded.

Industries.	No. of Establish- ments Reported.	Capital Invested in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Tools.....	34	\$2,180,683	\$4,011,449 66	\$78,078 96
Trunks and valises.....	7	25,275	177,300 00	11,225 00
Wire rods, wire cloth and wire goods.....	4	58,500	456,000 00	8,955 00
Miscellaneous.....	41	29,990,901	5,660,736 96	163,549 42
Totals.....	1,214	\$86,200,998	\$150,901,290 34	\$2,963,625 90

TABLE Id—MANUFACTURES—DAYTON.

Industries.	No. of Establish- ments Reported.	Capital Invested in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Advertising novelties and signs.....	2	\$85,538	\$148,505 82	\$1,613 63
Agricultural implements.....	4	785,765	896,227 00	17,327 26
Awnings, tents and flags.....	3	7,000	34,666 65	1,756 00
Boilers, engines and tanks.....	5	1,110,030	1,322,082 93	11,879 85
Boxes (paper).....	5	298,950	844,009 44	19,366 85
Boxes (wooden).....	4	67,969	499,539 48	5,354 86
Bread and other bakery products.....	6	81,000	378,350 00	11,035 00
Brick and tile.....	5	31,000	58,240 00	1,822 00
Brooms and brushes.....	3	5,300	44,100 00	1,440 00
Carriages and wagons.....	2	123,750	263,627 00	7,200 20
Carriage and wagon materials.....	2	203,554	321,908 00	5,876 46
Cigars.....	2	84,641	869,762 30	17,961 87
Clothing.....	2	65,943	547,739 53	19,729 90
Coffee, baking powder and spices.....	3	75,000	480,500 00	9,476 00
Confectionery.....	3	3,500	20,000 00	185 00
Dairy products.....	2	81,814	132,795 90	1,130 73
Drugs, chemicals and druggists sundries...	4	3,750	24,500 00	3,370 00
Electrical goods and supplies.....	2	75,170	210,092 93	5,800 16
Extracts, toilet articles and perfumery ..	4	11,400	165,000 00	2,780 00
Flouring mill products.....	2	143,000	664,337 76	6,649 52
Foundry and machine shop products.....	20	3,888,984	17,279,517 31	107,306 56
Furniture.....	6	572,186	676,503 37	18,935 60
Glass and glassware.....	2	1,100	13,392 00	723 00
Harness and saddlery.....	2	20,600	13,500 00	1,356 50
Iron (structural and architectural).....	2	50,000	50,000 00	670 00
Liquors (malt).....	7	2,603,094	1,040,288 91	30,824 52
Machinery.....	12	1,985,145	4,768,321 32	46,226 57
Mattresses and pillows.....	2	8,500	50,000 00	640 00
Paints and varnishes.....	4	222,543	718,658 89	9,318 65
Patterns and models.....	2	11,000	15,680 19	460 00
Printing and binding.....	20	576,002	854,852 32	26,519 52
Sash, doors, lumber and interior finish....	5	196,000	955,000 00	13,608 79
Slaughtering and meat packing.....	2	247,000	881,152 75	4,533 62
Soap, candles and tallow.....	6	86,300	1,034,396 81	8,011 28
Soda and mineral waters.....	3	14,650	27,400 00	2,702 31
Stoves, ranges and furnaces.....	4	272,571	329,599 64	7,051 12
Straw boards and paper.....	5	431,911	618,183 78	13,385 64
Tinware, sheet-iron and galvanized iron- ware.....	3	40,000	100,648 00	3,550 00
Tobacco (chewing and smoking).....	4	88,500	227,448 00	8,345 71
Tools.....	5	56,144	78,461 67	2,874 75
Miscellaneous.....	27	1,890,698	1,802,178 86	39,546 39
Totals.....	255	\$16,607,002	\$39,461,168 56	\$498,345 82

TABLE 1c—MANUFACTURES—TOLEDO.

Industries.	No. of Establish- ments Reported.	Capital Invest- ed in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Agricultural implements.....	2	\$150,000	\$83,794 49	\$1,925 45
Awnings, tents and flags.....	3	175,500	188,000 00	27,750 00
Bath cabinets.....	2	16,000	66,000 00	1,550 00
Bicycles, bicycle sundries and automo- biles.....	5	1,115,800	2,308,000 00	28,508 52
Billiard tables, bar and store fixtures.....	2	335,000	280,000 00	11,475 51
Boilers, engines and tanks.....	6	1,451,384	1,333,789 63	14,254 75
Boxes (paper).....	3	30,000	26,400 00	3,294 50
Boxes (wooden).....	4	40,300	135,258 78	3,719 91
Bread and other bakery products.....	10	126,800	530,269 00	7,942 68
Brick and tile.....	10	328,326	298,802 53	7,329 75
Brooms and brushes.....	6	137,764	283,851 00	9,491 48
Carriages and wagons.....	11	295,614	965,303 70	29,046 04
Carriage and wagon materials.....	5	221,965	482,315 00	10,927 30
Chewing gum.....	2	12,000	37,000 00	1,116 00
Cigars.....	14	25,600	98,925 00	2,748 50
Clothing.....	37	245,716	1,589,937 13	34,233 91
Coffee, baking powder and spices.....	2	180,000	1,080,000 00	23,900 00
Cooperage.....	3	39,000	73,764 06	1,267 30
Copper and brass goods.....	2	2,250	29,650 00	1,570 00
Cotton and woolen goods (knit and woven)	3	53,000	255,000 00	7,550 00
Drugs, chemicals and druggists' sundries..	7	32,983	212,149 41	3,407 50
Electrical goods and supplies.....	4	46,844	249,373 96	8,193 74
Extracts, toilet articles and perfumery....	3	900	30,800 00	1,640 00
Flouring mill products.....	9	652,000	5,499,998 25	56,943 54
Foundry and machine shop products.....	17	1,027,431	2,961,599 19	33,689 69
Furniture.....	11	217,581	618,020 24	14,575 23
Gas and electricity.....	2	1,241,186	316,070 89	16,516 68
Glass and glassware.....	3	208,720	1,120,250 00	38,190 90
Harness and saddlery.....	2	25,100	41,000 00	1,775 00
Hats, caps and furnishings.....	2	900	19,500 00	548 00
Iron (structural and architectural).....	2	178,000	1,505,000 00	5,623 60
Lime, sand, cement and plaster.....	4	49,085	158,683 29	5,689 66
Liquors (distilled).....	2	125,000	140,000 00	4,300 00
Liquors (malt).....	6	2,455,600	1,321,250 49	147,984 64
Machinery.....	11	452,386	1,008,916 24	25,041 67
Marble and granite.....	2	29,750	99,000 00	700 00
Mattresses and pillows.....	2	2,600	44,000 00	1,080 00
Oil and grease.....	4	372,531	2,013,443 40	15,153 02
Paints and varnishes.....	3	55,852	205,972 93	3,406 58
Pickles, preserves and sauces.....	2	28,500	129,413 00	1,078 50
Printing and binding.....	19	146,950	389,794 53	15,634 33
Pumps and water wheels.....	3	31,500	92,284 46	2,675 00
Sash, doors, lumber and interior finish....	15	352,790	969,561 07	43,510 84
Soap, candles and tallow.....	2	50,000	117,822 80	836 20
Soad and mineral waters.....	3	65,600	79,969 64	4,086 00
Steel, iron and tin.....	3	1,460,000	1,035,903 42	12,631 80
Stencils, stamps and seals.....	3	200	11,400 00	1,020 00
Stone (cut, sawed and artificial).....	3	99,941	150,567 31	3,229 02
Stoves, ranges and furnaces.....	2	34,000	57,123 88	1,990 00
Tinware, sheet-iron and galvanized iron- ware.....	13	181,734	938,400 10	14,583 83
Tools.....	3	17,500	21,000 00	1,082 00
Wire rods, wire cloth and wire goods.....	2	44,850	39,730 56	1,096 70
Miscellaneous.....	23	426,614	1,294,824 09	26,063 90
Totals.....	324	\$15,096,647	\$33,038,883 47	\$743,579 17

TABLE If—MANUFACTURES—CITIES.

Industries.	No. of Establish- ments Reported.	Capital Invest- ed in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Advertising novelties and signs.....	9	\$586,731	\$1,203,500 00	\$25,771 13
Agricultural implements.....	30	3,817,748	7,983,092 49	101,297 10
Awnings, tents and flags.....	3	1,731	18,500 00	779 00
Baskets.....	3	18,912	24,147 38	774 79
Bicycles, bicycle sundries and automo- biles.....	9	379,581	885,846 73	9,832 72
Billiard tables, bar and store fixtures.....	5	10,000	153,095 00	3,432 63
Boilers, engines and tanks.....	71	8,371,349	15,002,404 01	165,479 20
Boots and shoes.....	19	834,976	7,785,269 62	45,696 81
Boxes (paper).....	7	73,579	237,626 05	3,914 82
Boxes (wooden).....	11	133,757	387,672 72	6,755 63
Bread and other bakery products.....	121	439,650	2,047,665 77	44,996 87
Brick and tile.....	108	5,812,462	5,020,005 22	75,934 36
Brooms and brushes.....	19	282,725	504,267 10	5,664 38
Canned goods.....	13	438,700	1,251,946 53	21,920 94
Carriages and wagons.....	115	1,949,771	4,278,683 33	81,048 59
Carriage and wagon materials.....	34	1,085,614	2,945,121 31	38,370 40
Cars and car furnishings.....	3	193,922	1,371,750 09	18,790 79
Chewing gum.....	4	26,256	169,168 42	1,749 50
Churns.....	3	4,600	9,860 00	330 00
Cigars.....	170	309,057	2,601,329 32	43,855 85
Clothing.....	223	464,816	3,095,413 91	87,063 67
Clothes wringers and washboards.....	3	27,000	7,106 70	555 00
Coffee, baking powder and spices.....	5	13,191	17,654 29	1,154 88
Coffins and burial cases.....	4	227,842	334,873 60	8,027 63
Confectionery.....	25	128,343	421,360 00	14,841 72
Cooperage.....	28	266,395	905,112 71	11,133 15
Copper and brass goods.....	10	300,237	969,400 00	14,496 48
Cordage and twine.....	3	434,935	2,031,210 73	16,998 35
Cotton and woolen goods (knit and woven)	19	1,073,268	1,506,174 67	24,479 44
Cutlery and edge tools.....	5	799,000	589,371 80	8,987 29
Dairy products.....	8	147,200	777,933 60	2,915 00
Dental and surgical chairs.....	3	106,800	268,309 95	3,111 17
Drugs, chemicals and druggists' sundries.	33	204,895	735,484 27	10,924 98
Electrical goods and supplies.....	26	1,164,459	2,478,490 78	31,683 32
Elevators and hoisting machinery.....	2	11,460	6,750 00	305 00
Extracts, toilet articles and perfumery....	7	177,100	267,579 06	5,243 86
Fertilizers.....	9	257,268	387,955 54	3,921 45
Fireworks.....	2	15,000	52,000 00	495 00
Flouring mill products.....	103	2,784,196	17,955,814 05	119,278 24
Foundry and machine shop products.....	110	4,904,128	8,749,216 99	83,834 77
Furniture.....	39	1,868,840	3,161,936 47	49,598 06
Gas and electricity.....	78	11,582,370	2,612,716 55	117,986 72
Glass works' supplies.....	4	159,778	271,168 49	4,917 71
Glass and glassware.....	24	1,980,172	4,654,032 53	45,007 07
Gloves and mittens.....	10	138,203	414,515 25	6,747 34
Gun powder and other explosives.....	7	354,717	933,537 00	11,189 36
Handles.....	10	177,500	315,364 39	7,075 86
Hardware.....	12	428,345	984,113 43	13,376 61
Harness and saddlery.....	16	147,084	942,208 60	13,822 26
Hats, caps and furnishings.....	3	6,850	330,000 00	1,800 00
Hollow ware.....	2	214,862	647,109 66	7,218 13
Ice (artificial).....	31	1,186,323	877,653 22	24,122 80
Iron (structural and architectural).....	16	1,169,385	3,764,316 11	31,342 14
Jewelry and watches.....	4	903,000	1,642,339 63	16,617 59
Leather and leather goods.....	11	410,427	1,318,683 37	15,156 57
Lighting apparatus.....	5	86,629	264,336 96	4,235 80
Lime, sand, cement and plaster.....	34	1,342,198	2,785,831 88	17,976 85
Liquors (distilled).....	18	747,351	879,823 47	33,509 59
Liquors (malt).....	48	4,348,107	3,503,761 09	111,300 82
Lithographing, engraving and electro- typing.....	6	81,000	127,090 10	2,657 00
Machinery.....	81	7,755,594	13,946,244 03	150,991 66
Malt.....	3	153,300	474,986 24	9,139 02
Marble and granite.....	21	87,865	281,006 33	4,464 21
Marbles.....	2	65,000	47,000 00	675 00
Matresses and pillows.....	11	80,980	512,441 00	2,791 20
Oil cloth and window shade cloth.....	2	600,000	1,027,014 98	7,453 41
Oil and grease.....	6	847,420	4,717,281 35	27,384 14
Paints and varnishes.....	12	136,100	577,091 22	7,076 11
Patterns and models.....	7	45,378	75,213 47	2,238 75
Pianos and other musical instruments....	7	184,081	587,492 35	7,022 28
Pickles, preserves and sauces.....	5	73,000	94,000 00	2,024 99
Plating.....	6	14,650	22,000 00	1,402 00
Plumbing, steam and gas fitting supplies..	11	476,244	945,777 45	13,001 52
Pottery and stoneware.....	54	5,964,718	7,679,725 34	82,095 38

TABLE I_f—MANUFACTURES—CITIES—Concluded.

Industries	No. of Establish- ments Reported.	Capital Invested in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Potters' supplies.....	7	\$289,330	\$330,442 16	\$10,095 95
Printing and binding.....	262	4,853,726	5,585,535 98	150,520 49
Pumps and water wheels.....	11	495,123	908,794 87	15,805 18
Roofing (iron, steel and tin).....	13	238,771	949,590 77	8,617 61
Rubber goods.....	16	3,479,510	9,586,962 77	83,565 27
Safes, vaults and locks.....	5	1,429,635	2,854,207 02	67,090 04
Sash, doors, lumber and interior finish.....	135	2,517,735	5,721,023 21	113,180 46
Slaughtering and meat packing.....	5	105,000	662,539 00	2,925 00
Soap, candles and tallow.....	12	101,000	245,214 27	3,699 92
Soda and mineral matters.....	50	259,233	345,085 57	10,030 56
Steel, iron and tin.....	59	30,291,064	82,262,779 30	449,192 19
Stencils, stamps and seals.....	3	4,200	6,200 00	378 45
Stone (cut, sawed and artificial).....	7	296,794	254,121 90	3,090 05
Stoves, ranges and furnaces.....	40	2,051,463	4,431,489 05	64,362 94
Strawboards and paper.....	25	3,054,731	6,425,192 14	80,850 48
Sucker rods.....	2	18,500	125,000 00	1,747 00
Tinware, sheet iron, and galvanized iron- ware.....	44	1,441,225	4,274,771 01	57,783 99
Tobacco (chewing and smoking).....	8	569,244	4,624,710 08	49,324 12
Tools.....	21	2,210,411	2,344,871 38	24,908 42
Umbrellas and parasols.....	2	19,000	166,000 00	1,050 00
Wire rods, wire cloth and wire goods.....	9	779,100	1,060,084 92	14,616 40
Miscellaneous.....	83	1,862,767	2,982,599 01	42,123 54
Totals.....	2,810	\$137,963,187	\$293,003,190 11	\$3,254,221 92

TABLE 1g—MANUFACTURES—VILLAGES.

Industries.	No. of Establish- ments Reported.	Capital Invested in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Advertising novelties and signs.....	3	\$48,613	\$109,000 00	\$995 00
Agricultural implements.....	18	663,257	1,713,044 94	22,590 52
Baskets.....	7	55,188	69,473 82	1,833 16
Bicycles, bicycle sundries and automo- biles.....	4	165,097	181,293 24	3,209 59
Billiard tables, bar and store fixtures.....	7	80,600	209,446 00	9,107 09
Boilers, engines and tanks.....	17	819,640	1,804,824 65	15,587 16
Boots and shoes.....	3	59,274	152,373 29	1,550 59
Boxes (wooden).....	9	74,200	62,296 84	1,516 42
Bread and other bakery products.....	72	111,440	254,493 58	10,084 14
Brick and tile.....	224	1,042,300	941,432 55	11,591 49
Brooms and brushes.....	10	29,497	90,218 12	1,271 00
Canned goods.....	21	203,641	344,826 71	6,808 63
Carriages and wagons.....	83	694,286	1,881,074 33	30,892 97
Carriage and wagon materials.....	18	581,763	1,100,999 03	15,504 79
Cars and car furnishings.....	2	311,987	631,819 22	6,700 81
Churns.....	2	30,000	84,775 00	194 67
Cigars.....	101	72,459	481,942 38	13,697 25
Clothing.....	85	57,328	654,039 00	16,944 77
Coffee, baking Powder and spices.....	3	9,000	16,907 30	212 16
Confectionery.....	2	1,900	8,627 00	238 24
Cooperage.....	48	257,377	1,158,753 48	25,743 04
Cotton and woolen goods (knit and woven)	16	1,232,531	1,037,556 85	11,964 17
Dairy products.....	62	303,589	706,208 53	6,943 40
Drugs, chemicals and druggists' sundries..	15	649,301	1,462,903 00	10,794 37
Electrical goods and supplies.....	8	409,821	591,043 16	11,528 02
Extracts, toilet articles and perfumery....	2	100	1,850 00	130 00
Fireworks.....	2	32,358	181,687 07	3,046 04
Flouring mill products.....	25	2,533,985	7,856,879 64	102,448 43
Foundry and machine shop products.....	70	1,243,715	3,231,168 70	27,357 26
Furniture.....	36	711,840	1,460,172 24	21,490 03
Gas and electricity.....	101	2,897,145	525,884 33	26,083 31
Glass and glassware.....	6	2,148,680	1,833,230 64	48,000 21
Gloves and mittens.....	2	13,000	105,000 00	950 00
Handles.....	26	145,306	422,487 85	6,030 60
Hardware.....	4	156,752	310,724 41	3,531 34
Harness and saddlery.....	21	585,800	1,244,550 00	8,824 00
Ice (artificial).....	11	145,600	92,737 00	4,733 94
Iron (structural and architectural).....	3	93,500	193,000 00	2,861 60
Leather and leather goods.....	9	243,800	513,406 53	9,577 05
Lime, sand, cement and plaster.....	21	1,003,067	985,906 94	44,095 36
Liquors (distilled).....	8	331,300	437,800 00	15,191 89
Liquors (malt).....	10	346,000	227,530 00	5,883 69
Machinery.....	36	1,310,749	1,925,416 14	23,016 88
Marble and granite.....	17	74,344	209,228 00	2,830 36
Matches.....	2	1,120,000	1,254,223 18	13,651 50
Paints and varnishes.....	2	83,187	349,979 26	3,463 13
Pianos and other musical instruments.....	3	61,200	159,000 00	3,160 00
Pickles, preserves and sauces.....	6	46,313	123,018 05	1,583 26
Pottery and stoneware.....	33	1,185,600	2,030,005 23	33,154 13
Printing and binding.....	170	686,765	884,902 99	32,842 23
Pumps and water wheels.....	12	652,415	1,356,678 35	16,209 63
Rubber goods.....	5	233,332	594,268 86	3,690 48
Salt.....	6	404,160	435,408 09	7,623 33
Sash, doors, lumber and interior finish....	161	1,488,457	3,064,654 98	57,640 11
Slaughtering and meat packing.....	2	38,633	229,781 11	1,053 55
Soda and mineral waters.....	11	22,650	32,653 25	1,423 00
Steel, iron and tin.....	20	5,190,786	17,392,229 88	123,520 44
Stone (cut, sawed and artificial).....	11	295,824	231,342 76	7,670 32
Stoves, ranges and furnaces.....	7	155,500	354,287 64	4,025 58
Strawboards and papers.....	19	1,502,638	4,439,272 40	51,883 49
Tinware, sheet-iron and galvanized iron- ware.....	11	138,030	392,679 91	6,032 94
Tobacco (chewing and smoking).....	3	11,000	8,000 00	1,010 00
Tools.....	5	91,000	198,000 00	2,404 96
Whips.....	3	73,600	154,379 04	3,454 39
Wire rods, wire cloth and wire goods.....	4	9,350	68,000 00	968 24
Miscellaneous.....	58	994,634	2,706,375 38	34,538 79
Totals.....	2,034	\$36,466,204	\$73,967,171 87	\$1,005,088 94

TABLE 1h—MANUFACTURES—STATE.

Industries.	No. of Establish- ments Reported.	Capital Invested in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Advertising novelties and signs.....	19	\$796,382	\$1,643,005 82	\$33,049 76
Agricultural implements.....	54	5,416,770	10,676,158 92	143,140 33
Awnings, tents and flags.....	24	477,291	877,076 81	46,442 06
Bags (paper and burlap).....	9	611,504	2,262,965 09	25,495 41
Baskets.....	10	74,100	93,621 20	2,607 95
Bath cabinets.....	2	16,000	66,000 00	1,550 00
Bicycles, bicycle sundries and automo- biles.....	36	2,838,516	6,008,726 12	95,582 21
Billiard tables, bar and store fixtures.....	34	790,850	2,102,973 82	71,498 98
Boilers, engines and tanks.....	126	14,396,156	23,040,835 70	272,077 87
Boots and shoes.....	61	3,962,527	23,632,918 99	244,152 58
Boxes (paper).....	28	795,329	1,955,648 85	55,084 22
Boxes (wooden).....	58	787,506	2,901,578 49	58,404 69
Bread and other bakery products.....	262	2,481,715	9,446,348 81	175,948 85
Brick and tile.....	375	7,810,028	7,272,877 67	118,632 13
Brooms and brushes.....	55	531,036	1,287,671 22	29,589 86
Bungs.....	3	176,000	268,000 00	7,805 00
Buttons (pearl).....	2	14,100	42,000 00	2,360 00
Canned goods.....	34	642,341	1,596,773 24	28,729 57
Carriages and wagons.....	311	5,300,746	15,318,268 18	331,875 29
Carriage and wagon materials.....	85	2,554,670	6,446,784 60	100,767 88
Cars and car furnishings.....	5	505,909	2,003,569 31	25,491 60
Chewing gum.....	5	97,059	1,507,143 11	5,165 50
Churns.....	5	34,000	94,635 00	524 67
Cigars.....	422	1,163,499	8,263,625 60	174,419 34
Clothing.....	767	3,803,343	31,334,285 62	815,188 88
Clothes wringers and washboards.....	3	27,000	7,106 70	555 00
Coffee, baking powder and spices.....	26	462,754	3,374,181 07	60,558 04
Coffins and burial cases.....	10	1,005,342	1,778,373 60	30,451 63
Confectionery.....	56	613,273	2,646,499 00	91,567 64
Cooperage.....	94	1,665,221	3,713,323 88	62,278 34
Copper and brass goods.....	53	1,789,705	4,273,053 31	86,739 22
Corlage and twine.....	3	434,935	2,031,210 75	16,998 35
Cotton and woolen goods(knit and woven)	57	4,377,586	6,861,134 10	108,967 63
Cutlery and edge tools.....	5	799,000	589,371 80	8,987 29
Dairy products.....	78	640,403	2,305,542 13	24,892 61
Dental and surgical chairs.....	3	106,800	268,309 95	3,111 17
Drugs, chemicals and druggists' sundries..	99	2,551,869	8,251,619 29	119,125 19
Electrical goods and supplies.....	80	7,519,915	10,995,909 78	190,870 86
Elevators and hoisting machinery.....	9	281,010	575,683 28	10,934 40
Extracts, toilet articles and perfumery...	24	261,684	816,758 14	19,282 82
Fertilizers.....	14	825,385	1,430,879 15	18,380 48
Fireworks.....	4	47,358	233,687 07	3,541 04
Flouring mill products.....	381	6,478,132	33,708,729 73	301,269 54
Foundry and machine shop products....	334	20,264,119	56,808,781 49	541,311 10
Furniture.....	157	5,859,291	10,426,484 77	246,259 57
Furs.....	2	1,250	12,800 00	2,750 00
Gas and electricity.....	186	29,258,723	6,747,336 78	396,839 64
Glass works supplies.....	4	159,778	271,168 49	4,917 71
Glass and glassware.....	47	4,708,188	9,255,750 72	151,249 68
Gloves and mittens.....	15	166,103	631,516 00	10,642 59
Gunpowder and other explosives.....	9	854,717	1,349,037 00	19,339 36
Handles.....	36	322,806	737,852 24	13,106 46
Hardware.....	34	2,384,605	4,528,716 86	67,264 66
Harness and saddlery.....	70	1,124,970	3,566,913 50	72,441 95
Hats, caps and furnishings.....	31	167,749	1,674,624 90	36,837 12
Hollow ware.....	2	124,862	647,109 66	7,218 13
Ice (artificial).....	55	3,775,138	1,494,596 76	71,775 68
Inks.....	5	503,000	1,107,000 00	12,389 45
Iron (structural and architectural).....	48	2,029,791	10,160,045 12	114,811 76
Jewelry and watches.....	24	1,066,850	2,148,804 66	35,314 36
Leather and leather goods.....	40	2,102,180	6,062,649 51	89,788 85
Lighting apparatus.....	10	182,272	460,336 96	7,875 80
Lime, sand, cement and plaster.....	68	2,513,113	4,168,740 01	73,776 56
Liquors (distilled).....	43	2,425,191	9,164,270 83	211,112 38
Liquors (malt).....	105	28,233,151	18,696,444 11	579,780 89
Lithographing, engraving and electro- typing.....	40	1,519,415	2,256,153 56	73,776 19
Macaroni.....	3	67,000	139,500 00	2,400 00
Machinery.....	249	21,919,920	41,064,073 65	525,303 18
Malt.....	6	454,300	1,025,798 24	31,340 02
Marble and granite.....	54	438,444	1,187,494 33	18,786 37
Marbles.....	2	65,000	47,000 00	675 00
Matches.....	2	1,120,000	1,254,223 18	13,651 50
Mattresses and pillows.....	24	263,555	1,280,497 57	19,464 58
Mouldings and frames.....	13	560,900	1,222,492 71	62,124 00

TABLE 1h—MANUFACTURES—STATE—Concluded.

Industries	No. of Establish- ments Reported.	Capital Invested in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Oil cloth and window shade cloth.....	4	\$685,300	\$1,258,014 98	\$15,083 41
Oil and grease.....	26	5,748,602	14,432,638 84	142,287 94
Paints and varnishes.....	55	2,962,843	8,921,465 65	129,230 41
Patterns and models.....	20	131,903	266,569 81	13,197 71
Pianos and other musical instruments.....	15	362,823	1,720,086 31	31,043 12
Pickles, preserves and sauces.....	19	358,651	1,725,449 99	47,044 88
Plating.....	10	186,050	397,582 82	6,729 06
Plumbing, steam and gas fitting supplies..	28	1,422,757	2,858,677 86	45,232 38
Pottery and stoneware.....	89	7,208,818	9,779,030 57	118,173 16
Potters' supplies.....	7	289,330	330,442 16	10,095 95
Printing and binding.....	640	13,980,798	15,694,229 01	529,586 83
Printers' rollers.....	2	7,050	23,300 00	1,250 00
Pumps and water wheels.....	32	1,225,538	3,483,059 48	46,986 27
Regalia.....	8	68,489	422,469 83	14,425 00
Roofing (iron, steel and tin).....	29	304,051	1,450,879 30	17,764 31
Rubber goods.....	24	3,718,492	10,225,896 08	89,187 75
Rugs and carpet cleaning.....	6	32,187	90,488 12	4,067 00
Safes, vaults and locks.....	11	1,765,757	3,951,761 20	87,108 82
Salt.....	8	1,522,560	886,425 60	21,863 25
Sash, doors, lumber and interior finish....	375	6,144,393	18,080,948 80	401,537 93
Slaughtering and meat packing.....	36	1,946,177	16,280,080 67	79,302 59
Soap, candles and tallow.....	47	8,133,752	14,514,255 92	108,569 00
Soda and mineral waters.....	91	626,490	759,697 14	27,248 83
Starch.....	2	60,275	132,460 00	1,459 00
Steel, iron and tin.....	94	43,460,013	114,355,561 74	735,151 62
Stencils, stamps and seals.....	16	63,900	120,100 00	9,832 45
Stone (cut, sawed and artificial).....	32	3,894,618	2,872,255 11	54,670 54
Stoves, ranges and furnaces.....	89	4,435,968	10,439,035 12	190,323 39
Straw-boards and paper.....	49	4,989,280	11,482,648 32	146,119 61
Sucker rods.....	2	18,500	125,000 00	1,747 00
Tinware, sheet iron and galvanized iron- ware.....	121	2,825,090	8,657,450 30	149,572 13
Tobacco (chewing and smoking).....	20	819,257	6,064,061 29	68,033 63
Tools.....	88	5,703,310	8,657,522 40	141,639 14
Trunks and valises.....	16	49,175	398,000 00	31,350 00
Umbrellas and parasols.....	5	24,700	328,000 00	6,750 00
Whips.....	3	73,600	154,379 04	3,454 39
Wire rods, wire cloth and wire goods.....	37	2,131,157	3,217,759 54	84,196 01
Miscellaneous.....	293	36,921,932	20,878,797 71	387,802 97
Totals.....	7,961	\$385,895,325	\$759,039,559 25	\$11,537,537 90

TABLE I.—MANUFACTURES—BY CITIES.

Cities.	No. of Establish- ments Reported.	Capital Invest- ed in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Akron.....	162	\$2,259,456	\$27,431,469 63	\$274,674 06
Alliance.....	29	2,090,484	4,572,088 02	36,374 51
Ashtabula.....	29	766,730	1,186,756 11	22,321 23
Bellaire.....	27	1,369,936	6,286,698 17	42,684 60
Bellefontaine.....	30	528,059	857,157 17	12,843 10
Bowling Green.....	19	354,150	529,904 53	10,383 63
Bucyrus.....	30	1,492,097	1,794,638 94	19,980 63
Cambridge.....	27	1,283,600	2,423,361 85	31,448 63
Canal Dover.....	18	820,487	2,401,422 82	21,675 18
Canton.....	117	7,076,121	13,939,482 53	171,165 21
Chillicothe.....	48	998,600	1,650,157 07	30,852 30
Circleville.....	28	743,244	1,920,723 63	25,940 49
Conneaut.....	20	210,251	411,870 41	14,302 27
Coshocton.....	31	864,830	1,477,504 67	34,142 01
Defiance.....	32	527,699	1,445,212 72	40,885 16
Delaware.....	28	573,921	738,062 24	14,662 57
East Liverpool.....	65	5,825,284	6,173,453 09	72,507 86
Elyria.....	39	1,265,138	1,552,743 55	29,656 03
Findlay.....	66	1,785,428	2,380,052 75	52,304 16
Fostoria.....	38	1,133,597	3,821,577 39	30,045 50
Fremont.....	50	2,148,904	2,525,080 09	37,282 76
Galion.....	21	384,765	665,968 65	12,989 19
Gallipolis.....	21	257,955	432,952 34	10,701 87
Glenville.....	1	50,000	203,570 47	2,000 00
Greenville.....	22	271,600	204,192 89	5,947 06
Hamilton.....	105	8,710,349	16,027,284 96	225,139 07
Ironton.....	51	2,128,571	5,032,628 39	62,727 35
Kenton.....	33	741,840	1,731,664 56	19,044 02
Lancaster.....	40	938,220	3,571,507 10	21,166 40
Lima.....	79	2,422,465	7,581,966 22	80,229 26
Lorain.....	29	10,342,213	10,507,878 28	89,039 17
Mansfield.....	82	2,282,978	8,064,246 22	96,374 63
Marietta.....	73	1,375,270	2,495,876 47	44,348 83
Marion.....	43	1,530,186	3,142,370 51	53,308 00
Martin's Ferry.....	22	1,899,039	3,910,007 26	33,341 36
Massillon.....	48	2,600,147	4,659,416 81	53,509 86
Middletown.....	40	2,472,771	7,351,403 12	89,563 59
Mt. Vernon.....	22	930,730	2,054,266 66	18,884 02
Nelsonville.....	11	231,524	335,083 50	5,844 94
Newark.....	52	1,474,000	4,161,980 36	47,096 42
New Philadelphia.....	27	992,850	1,138,659 60	12,874 38
Niles.....	24	1,702,938	4,626,219 39	46,471 78
Norwalk.....	38	1,208,746	1,387,304 29	24,204 74
Norwood.....	8	747,271	715,671 00	6,235 00
Painesville.....	24	383,261	490,646 73	8,943 01
Piqua.....	64	2,012,556	3,247,778 04	71,590 58
Portsmouth.....	68	1,727,891	6,876,321 03	76,105 56
St. Marys.....	21	585,066	1,118,144 88	19,949 89
Salem.....	28	1,420,087	2,567,629 54	38,258 68
Sandusky.....	100	3,109,114	4,364,629 12	81,572 99
Sidney.....	31	767,818	2,100,389 60	22,278 24
Springfield.....	140	7,266,654	14,933,927 43	175,556 21
Steubenville.....	36	4,253,648	7,680,796 32	60,937 88
Tiffin.....	69	1,886,602	2,711,304 92	39,172 89
Troy.....	23	661,753	2,248,644 78	44,581 13
Urbana.....	34	631,624	1,097,253 46	19,805 17
Van Wert.....	16	312,385	258,842 71	8,160 39
Warren.....	57	1,530,725	3,519,533 38	34,338 37
Washington C. H.....	22	275,000	873,825 65	12,490 36
Wellston.....	12	783,373	1,327,291 55	7,712 80
Wellsville.....	17	685,900	1,516,024 82	12,915 66
Wooster.....	26	454,009	613,078 08	15,963 29
Xenia.....	29	947,701	3,130,259 95	35,305 96
Youngstown.....	79	13,804,453	49,866,613 52	293,740 02
Zanesville.....	89	4,649,103	6,938,718 17	87,670 01
Totals.....	2810	\$137,963,187	\$293,003,190 11	\$3,254,221 92

TABLE II.

GIVING BY INDUSTRIES THE NUMBER OF ESTABLISHMENTS
REPORTED, THE AMOUNT PAID IN WAGES, THE NUMBER
EMPLOYED AND THE SALARIES PAID OFFICE
HELP FOR THE YEAR 1903.

TABLE IIa—MANUFACTURES—CLEVELAND.

INDUSTRIES.	No. of Estab- lish- ments re- ported	Total amount paid in wages dur- ing year 1903.
Advertising novelties and signs.....	2	\$5,200 00
Awnings, tents and flags.....	4	55,210 74
Bags (paper and burlap).....	4	193,030 98
Bicycles, bicycle sundries and automobiles.....	11	729,047 93
Billiard tables, bar and store fixtures.....	4	74,370 00
Boilers, engines and tanks.....	11	1,145,535 03
Boots and shoes.....	3	167,125 13
Boxes (paper).....	4	111,170 30
Boxes (wooden).....	14	190,553 17
Bread and other bakery products.....	19	361,573 87
Brick and tile.....	14	288,097 35
Brooms and brushes.....	5	44,010 00
Buttons (pearl).....	2	16,028 00
Carriages and wagons.....	27	209,146 51
Carriage and wagon materials.....	2	27,281 94
Chewing gum.....	2	84,391 27
Cigars.....	41	306,438 10
Clothing.....	166	2,533,840 50
Coffee, baking powder and spices.....	2	8,629 00
Coffins and burial cases.....	2	64,000 00
Confectionery.....	9	184,800 06
Cooperage.....	5	122,472 16
Copper and brass goods.....	18	365,199 40
Cotton and woolen goods (knit and woven).....	9	547,242 90
Dairy products.....	3	46,317 00
Drugs, chemicals and druggists' sundries.....	14	364,535 37
Electrical goods and supplies.....	26	1,314,337 70
Elevators and hoisting machinery.....	2	43,068 00
Extracts, toilet articles and perfumery.....	3	25,850 60
Fertilizers.....	3	89,775 76
Flouring mill products.....	3	30,206 70
Foundry and machine shop products.....	67	5,477,151 00
Furniture.....	13	24,203 90
Gas and electricity.....	3	485,006 12
Glass and glassware.....	3	18,676 13
Gunpowder and other explosives.....	2	63,750 50
Hardware.....	14	1,138,870 18
Harness and saddlery.....	10	25,081 00
Hats, caps and furnishings.....	7	51,257 25
Ice (artificial).....	4	46,303 83
Inks.....	2	6,760 00
Iron (structural and architectural).....	13	789,845 17
Jewelry and watches.....	3	14,240 00
Leather and leather goods.....	4	51,665 78
Lime, sand, cement and plaster.....	2	16,573 44
Liquors (malt).....	9	512,961 79
Lithographing, engraving and electrotyping.....	9	141,821 58
Macaroni.....	3	15,750 00
Machinery.....	44	3,634,114 91
Marble and granite.....	8	140,508 03
Mattresses and pillows.....	3	36,719 28
Mouldings and frames.....	4	156,360 00
Oil and grease.....	8	871,740 88
Paints and varnishes.....	16	358,387 13
Patterns and models.....	3	49,993 00
Pianos and other musical instruments.....	2	36,500 00
Plating.....	2	13,400 00
Plumbing, steam and gas fitting supplies.....	11	184,408 06
Printing and binding.....	52	759,916 42
Pumps and water wheels.....	2	4,499 06
Roofing (iron, steel and tin).....	4	22,160 89
Rubber goods.....	3	5,543 00
Rugs and carpet cleaning.....	2	34,225 00
Salt.....	2	130,022 06
Sash, doors, lumber and interior finish.....	23	793,358 81
Slaughtering and meat packing.....	8	265,065 83
Soap, candles and tallow.....	6	28,392 00
Soda and mineral waters.....	10	29,790 00
Steel, iron and tin.....	8	4,729,375 30
Stencils, stamps and seals.....	5	9,484 00
Stone (cut, sawed and artificial).....	5	790,688 13
Stoves, ranges and furnaces.....	13	935,736 34

TABLE IIa—MANUFACTURES—CLEVELAND.

OFFICE HELP.]									
Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
1	\$100 00	1	\$100 00	3	\$190 00	1	\$40 00	1	\$28 00
5	475 00	8	665 00	3	340 00	15	710 00	2	70 00
4	485 00	12	1,375 00	3	880 00	27	1,530 83	7	295 00
11	1,568 33	12	2,314 98	11	100 00	1	50 00	17	785 00
3	270 00	1	60 00	2	1,558 33	29	1,520 00	6	410 00
10	5,046 00	1	80 00	18	122 67	7	178 13	1	52 00
2	373 33	10	700 00	2	210 67	3	78 00	1	30 00
3	341 33	3	222 50	3	655 00	4	245 00	2	85 00
9	1,150 00	4	550 00	11	845 50	28	976 66	6	201 00
11	1,636 00	127	10,025 49	11	320 00	4	151 00	1	70 00
14	1,821 66	3	350 00	6	213 00	9	425 00	3	150 00
2	267 00	3	433 00	3	30 00	1	20 00		
		1	50 00	8	410 00			4	122 00
12	1,050 00	6	510 00	1	125 00				
1	125 00	1	125 00	1	108 00	2	70 00		
2	458 34	8	900 00	11	711 75	11	645 00	4	139 00
12	1,119 33	18	2,565 67	62	3,989 50	102	3,293 67	31	965 67
70	8,777 00	181	23,108 33	3	170 00	2	110 00	2	60 00
		5	450 00	3	355 00	3	210 00	1	40 00
6	1,030 00	7	740 00	9	560 00	44	1,349 50	5	195 00
5	700 00	38	2,860 00	3	190 00	1	50 00	2	65 00
5	705 00	1	100 00	20	1,291 00	15	745 00	11	392 00
24	2,603 00	23	2,435 00	11	953 50	24	1,279 18	7	246 00
13	1,841 00	31	7,398 71	8	473 00	5	160 00		
6	632 00	1	80 00	19	1,355 00	57	2,346 00	20	1,178 00
13	1,793 00	21	3,745 00	25	1,678 33	47	2,071 50	56	2,093 00
32	4,876 33	27	3,118 32	2	120 00	1	65 00	3	116 00
4	575 00	2	200 00	6	255 00	4	95 00	6	214 00
5	800 00	15	1,445 81	6	547 50	3	165 00	5	264 50
4	541 66	15	1,588 20	3	215 00	2	140 00	2	75 00
3	305 00	11	860 00	64	5,234 19	162	9,387 99	56	2,576 00
103	15,329 30	55	6,887 00	11	589 17	3	120 33	3	84 00
9	1,031 67	19	1,898 67	29	2,608 00	29	1,507 20	4	300 00
14	2,454 83	2	243 33	2	110 00	1	20 00	2	65 00
2	385 00	6	550 00	2	175 00	2	70 00	3	128 33
3	508 33	3	375 00	23	1,821 33	28	1,844 00	13	592 00
27	4,370 00	19	2,945 00	1	30 00				
		1	65 00	5	215 00	2	60 00	1	40 00
2	182 00	7	665 00	4	161 67				
6	877 33			2	128 00	1	90 00	1	32 00
1	125 00	7	750 00	13	1,245 00	34	1,942 50	14	726 50
25	4,391 00	17	2,561 00			1	40 00		
1	86 67			4	262 00	2	84 00	2	97 00
5	530 00	6	616 00	1	125 00	1	70 00		
2	227 00	1	125 00	23	2,676 33	26	2,025 00	6	289 66
28	9,063 66	32	3,662 99	7	375 66	6	419 00	5	136 00
11	1,217 00	6	530 00	3	80 00			1	32 00
2	180 00	2	60 00	67	6,462 83	217	13,283 50	68	3,426 33
163	22,344 33	75	15,845 33	3	225 00	3	160 00	3	146 33
4	704 00	4	400 00	3	155 00	1	26 00	1	60 00
4	450 00	5	460 00	5	300 00	6	260 00	2	90 00
3	275 00	12	1,250 00	22	1,954 16	234	14,551 34	46	2,053 42
28	3,881 98	72	6,514 16	27	2,074 00	89	3,503 00	49	2,155 00
58	8,069 99	103	13,568 32	1	65 00				
1	125 00							1	35 00
3	550 00	2	200 00						
				12	865 00	12	731 00	8	273 32
10	1,116 66	14	1,160 00	34	2,408 00	45	2,954 50	21	703 00
41	5,212 33	24	2,183 00	2	70 00			1	30 00
2	110 00			2	80 00				
1	70 00			1	50 00				
2	266 00	3	90 00	3	146 00	2	40 00	2	50 00
3	200 00			3	357 66	9	523 00	4	160 00
2	291 66	9	850 00	26	1,880 66	46	3,741 67	27	1,158 34
22	2,790 00	34	3,686 67	56	3,853 00	8	169 00	2	115 00
10	1,765 00	133	6,810 00	5	330 00			1	37 00
5	481 66	7	351 16	6	681 66	171	10,105 00	13	660 00
4	440 00	10	557 00					1	27 00
111	12,237 50	2	225 00	11	815 00	22	2,120 00	8	488 33
				15	1,278 00	40	2,242 25	16	860 85
21	2,412 21	13	1,672 95						
12	1,763 00	42	5,268 00						

TABLE IIa—MANUFACTURES—CLEVELAND—Concluded.

INDUSTRIES.	No. of Estab- lish- ments re- ported	Total amount paid in wages dur- ing year 1903.
Tinware, sheet-iron and galvanized-iron ware.....	18	\$329,509 45
Tools.....	14	726,088 89
Trunks and valises.....	6	64,237 24
Umbrellas and parasols.....	3	13,558 00
Wire rods, wire cloth and wire goods.....	14	386,991 11
Miscellaneous.....	29	992,068 77
Totals.....	930	\$35,261,744 73

TABLE IIa—MANUFACTURES—CLEVELAND—Concluded.

OFFICE HELP.									
Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
14	\$1,714 00	12	\$1,430 00	16	\$978 00	8	\$405 25	15	\$646 30
23	3,087 00	21	2,192 50	18	1,076 00	51	2,340 00	14	584 00
8	549 00	10	620 00	5	265 00	3	125 00	1	36 00
5	303 00	8	498 00	3	195 00	5	160 00	1	28 00
13	1,925 00	13	1,305 00	10	777 00	37	2,170 00	23	1,152 00
39	3,882 17	25	2,436 66	18	1,209 00	13	849 50	22	1,007 50
1,175	\$159,440 59	1,433	\$160,663 75	843	\$63,465 07	1,773	\$96,909 50	667	\$29,422 38

TABLE IIb—MANUFACTURES—COLUMBUS.

INDUSTRIES.	No. of Estab- lish- ments re- ported	Total amount paid in wages dur- ing year 1903.
Awnings, tents and flags.....	4	\$9,518 00
Bicycles, bicycle sundries and automobiles.....	5	41,458 00
Billiard tables, bar and store fixtures.....	5	80,150 00
Boilers, engines and tanks.....	6	123,655 48
Boots and shoes.....	9	1,042,849 17
Boxes (paper).....	2	33,836 00
Boxes (wooden).....	5	30,229 00
Bread and other bakery products.....	8	110,718 11
Brick and tile.....	5	59,996 81
Brooms and brushes.....	3	6,472 59
Carriages and wagons.....	15	520,196 33
Carriage and wagon materials.....	7	64,625 00
Cigars.....	19	95,025 20
Clothing.....	46	247,374 10
Coffee, baking powder and spices.....	3	88,152 00
Confectionery.....	4	38,979 32
Copper and brass goods.....	2	15,400 00
Cotton and woolen goods (knit and woven).....	2	21,854 86
Dairy products.....	3	35,740 81
Drugs, chemicals and druggists' sundries.....	8	134,169 07
Extracts, toilet articles and perfumery.....	2	1,110 00
Flouring mill products.....	5	16,956 77
Foundry and machine shop products.....	22	1,268,831 37
Furniture.....	5	82,037 56
Furs.....	2	5,996 00
Gas and electricity.....	2	80,894 68
Glass and glassware.....	3	250,000 00
Gloves and mittens.....	3	34,139 70
Harness and saddlery.....	8	60,720 00
Hats, caps and furnishings.....	5	12,284 00
Ice (artificial).....	3	52,005 04
Iron (structural and architectural).....	4	59,081 93
Jewelry and watches.....	3	9,844 00
Leather and leather goods.....	2	36,000 00
Lighting apparatuses.....	5	55,682 02
Lime, sand, cement and plaster.....	7	39,598 07
Liquors (malt).....	4	322,224 88
Lithographing, engraving and electrotyping.....	5	63,404 29
Machinery.....	8	846,125 19
Paints and varnishes.....	4	19,964 80
Printing and binding.....	29	237,114 01
Roofing (iron, steel and tin).....	5	24,085 00
Rugs and carpet cleaning.....	4	15,603 16
Sash, doors, lumber and interior finish.....	13	141,688 19
Slaughtering and meat packing.....	2	10,350 00
Soap, candles and tallow.....	3	9,700 00
Soda and mineral waters.....	2	9,232 64
Starch.....	2	8,450 94
Steel, iron and tin.....	4	630,788 99
Stone (cut, sawed and artificial).....	2	30,000 00
Stoves, ranges and furnaces.....	10	156,085 54
Tinware, sheet-iron and galvanized iron-ware.....	10	114,704 47
Tools.....	6	104,532 61
Trunks and valises.....	3	18,175 00
Wire rods, wire cloth and wire goods.....	4	21,249 29
Miscellaneous.....	32	488,595 02
Totals.....	394	\$8,137,655 01

TABLE IIb—MANUFACTURES—COLUMBUS.

OFFICE HELP.

Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
1	\$60 00	3	\$140 00	2	\$60 00	.....	.....	1	\$40 00
4	550 00	3	500 00	4	195 00	3	\$140 00	4	135 00
4	365 00	4	350 00	5	295 00	2	60 00	4	170 00
4	466 66	3	295 00	3	300 00	2	105 00	3	111 00
63	10,615 00	148	24,150 00	20	1,277 00	37	1,367 00	15	594 00
2	630 00	1	55 00	1	60 00	.....	.....	1	45 00
3	225 00	.....	.....	.....	.....	.....	.....	2	62 00
4	591 66	56	3,244 30	9	502 00	18	791 83	3	110 00
6	640 00	1	80 00	2	175 00	.....	.....	1	40 00
16	1,785 00	33	3,550 00	17	1,314 50	16	820 00	14	600 00
8	760 00	6	375 00	3	150 00	4	250 00	4	145 00
9	585 00	4	195 00	.....	.....	2	90 00	1	30 00
17	1,603 33	24	2,160 00	13	641 66	7	231 00	4	142 00
3	227 00	139	9,906 00	5	267 00	6	238 00	6	280 00
3	275 00	18	1,275 00	3	226 40	9	305 00	1	30 00
1	125 00	.....	.....	1	80 00	.....	.....	1	25 00
3	304 33	2	166 00	2	85 00	.....	.....	3	157 00
1	50 00	3	250 00	4	225 00	5	247 50	.....	.....
13	1,818 00	16	2,558 00	9	678 88	74	1,535 54	24	797 01
.....	.....	3	160 00	1	40 00	.....	.....	.....	.....
2	205 00	4	215 00	2	185 00	.....	.....	1	30 00
30	5,836 67	161	32,222 00	26	2,121 00	37	2,206 00	24	995 00
11	1,229 00	13	1,800 00	3	235 00	3	64 00	2	113 33
1	100 00	5	225 00	.....	.....	1	55 00	.....	.....
5	690 41	11	815 00	1	75 00	9	506 38	1	55 00
7	775 00	1	400 00	3	300 00	2	100 00	2	90 00
2	200 00	1	125 00	2	80 00	.....	.....	1	35 00
5	405 00	21	2,395 00	6	350 00	9	400 00	4	141 00
4	270 00	6	475 00	3	102 50	.....	.....	1	28 00
3	400 00	.....	.....	2	147 00	7	260 00	.....	.....
3	300 00	.....	.....	1	75 00	3	150 00	3	125 00
1	125 00	2	150 00	1	35 00	1	20 00	1	35 00
2	200 00	1	85 00	3	75 00	.....	.....	.....	.....
8	845 00	2	135 00	1	232 50	1	35 00	2	55 00
3	210 00	4	375 00	7	400 00	12	935 00	5	149 00
14	3,865 00	14	1,673 33	13	1,285 00	6	180 00	6	275 00
3	303 00	2	180 00	5	306 32	3	4,767 19	4	124 00
31	6,659 78	20	3,200 00	12	1,037 71	73	210 00	24	1,235 00
6	1,239 16	19	2,511 32	4	208 33	19	793 00	3	107 00
21	2,232 50	38	4,038 33	22	1,075 50	.....	.....	8	282 67
1	50 00	.....	.....	1	32 00	.....	.....	.....	.....
1	120 00	.....	.....	10	608 33	3	135 00	2	95 00
12	1,035 00	1	83 33	1	52 00	.....	.....	.....	.....
.....	.....	2	97 16	.....	.....	.....	.....	.....	.....
1	75 00	1	75 00	1	75 00	.....	.....	2	70 00
2	148 33	6	465 00	1	85 00	.....	.....	5	251 00
9	1,849 66	1	150 00	5	425 00	20	1,730 33	.....	.....
1	55 00	.....	.....	1	50 00	2	58 00	.....	.....
9	910 00	7	1,200 00	5	527 00	2	75 00	5	180 00
5	784 05	8	1,035 00	5	455 00	12	666 23	9	430 00
5	518 33	2	130 00	3	160 00	2	72 50	5	180 50
2	205 00	.....	.....	3	165 00	3	170 00	1	25 00
4	313 33	3	366 66	3	210 00	4	210 00	5	170 00
33	3,934 00	65	5,848 00	26	1,925 50	40	2,600 50	41	1,455 30
412	\$57,764 20	888	\$109,879 43	287	\$19,718 13	459	\$22,580 00	259	\$10,245 71

TABLE IIc—MANUFACTURES—CINCINNATI.

INDUSTRIES.	No. of Estab- lish- ments re- ported	Total amount paid in wages dur- ing year 1903.
Advertising novelties and signs.....	3	\$63,160 00
Awnings, tents and flags.....	7	64,643 73
Bags (paper and burlap).....	5	75,832 20
Bicycles, bicycle sundries and automobiles.....	2	4,290 00
Billiard tables, bar and store fixtures.....	11	236,928 90
Boilers, engines and tanks.....	9	337,310 66
Boots and shoes.....	27	2,371,597 95
Boxes (paper).....	7	117,622 65
Boxes (wooden).....	11	152,413 21
Bread and other bakery products.....	26	439,368 89
Brick and tile.....	9	62,147 45
Brooms and brushes.....	9	40,295 00
Bungs.....	3	48,804 00
Carriages and wagons.....	51	1,038,097 71
Carriage and wagon materials.....	16	288,572 40
Cigars.....	57	997,214 10
Clothing.....	187	3,248,207 69
Coffee, baking powder and spices.....	8	74,672 74
Coffins and burial cases.....	4	299,405 38
Confectionery.....	14	204,959 00
Cooperage.....	10	264,674 45
Copper and brass goods.....	21	535,169 02
Cotton and woolen goods (knit and woven).....	8	121,235 25
Drugs, chemicals and druggists' sundries.....	20	116,184 20
Electrical goods and supplies.....	12	485,992 61
Elevators and hoisting machinery.....	5	95,658 97
Extracts, toilet articles and perfumery.....	5	12,881 00
Fertilizers.....	2	53,867 99
Flouring mill products.....	2	14,741 24
Foundry and machine shop products.....	28	1,220,647 38
Furniture.....	47	1,093,232 96
Glass and glassware.....	6	1,337,557 00
Hardware.....	4	100,261 49
Harness and saddlery.....	11	226,707 00
Hats, caps and furnishings.....	14	183,017 73
Ice (artificial).....	6	33,395 50
Inks.....	3	97,721 80
Iron (structural and architectural).....	8	356,726 29
Jewelry and watches.....	14	124,067 20
Leather and leather goods.....	14	545,806 94
Liquors (distilled).....	15	241,240 55
Liquors (malt).....	21	991,950 34
Lithographing, engraving and electrotyping.....	20	589,021 16
Machinery.....	57	309,140 99
Malt.....	3	27,888 00
Marble and granite.....	6	97,064 00
Mattresses and pillows.....	6	58,366 00
Moldings and frames.....	9	219,249 92
Oil cloth and window-shade cloth.....	2	20,450 00
Oil and grease.....	8	109,862 40
Paints and varnishes.....	14	168,837 62
Patterns and models.....	8	40,329 00
Pianos and other musical instruments.....	3	207,551 55
Pickles, preserves and sauces.....	6	113,627 21
Plating.....	2	125,795 36
Plumbing, steam and gas fitting supplies.....	6	226,972 91
Pottery and stoneware.....	2	39,190 70
Printing and binding.....	88	1,604,012 71
Printers' rollers.....	2	2,580 00
Pumps and water wheels.....	2	380,150 50
Regalia.....	8	93,252 16
Roofing (iron, steel and tin).....	7	41,793 27
Safes, vaults and locks.....	6	359,956 26
Sash, doors, lumber and interior finish.....	23	544,121 11
Slaughtering and meat packing.....	17	398,322 76
Soap, candles and tallow.....	18	639,408 96
Soda and mineral waters.....	12	43,116 00
Stencils, stamps and seals.....	5	35,430 00
Stone (cut, sawed and artificial).....	4	81,947 00
Stoves, ranges and furnaces.....	13	428,241 75
Tinware, sheet-iron and galvanized-iron ware.....	22	268,834 28
Tobacco (chewing and smoking).....	5	75,097 83

TABLE IIc—MANUFACTURES—CINCINNATI.

OFFICE HELP.

Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
4	\$1,000 00	1	\$150 00	5	\$256 00	6	\$246 00	8	\$235 00
8	776 00	9	550 00	6	415 00	5	100 00	3	110 00
7	823 16	19	1,034 30	4	320 00	5	256 17	3	137 67
1	60 00	.....	.....	1	50 00	.....	.....	.....	.....
7	656 40	23	2,255 00	11	865 00	12	586 00	10	435 00
6	744 00	5	514 00	6	460 00	5	158 00	5	175 00
97	10,427 33	177	19,688 56	40	3,326 00	124	4,495 33	21	722 16
9	930 83	2	233 83	4	236 00	2	95 00	4	192 66
8	725 00	2	185 00	10	625 00	3	99 00	1	25 00
21	2,300 00	57	2,983 37	17	1,362 67	41	1,154 00	9	291 33
4	317 00	1	35 00	1	60 00	1	30 00	.....	.....
4	380 00	30	1,585 00	2	85 00	2	90 00	1	30 00
4	675 00	3	250 00	2	208 00	1	50 00	3	100 00
52	5,570 89	64	7,701 31	32	2,262 66	77	3,677 00	46	1,616 50
12	1,135 00	3	610 00	9	570 00	3	145 00	6	159 67
36	3,060 00	61	5,855 00	21	1,843 00	25	1,142 00	10	441 00
83	12,105 00	385	48,039 33	114	10,130 21	276	12,853 00	63	2,432 67
9	875 00	50	4,590 00	11	789 00	21	1,219 00	7	302 00
9	1,316 00	23	3,052 00	3	350 00	10	700 00	2	142 00
8	780 00	22	2,040 00	11	855 00	21	1,020 00	5	165 00
25	1,920 00	9	1,150 00	6	570 00	4	325 00	3	135 00
27	3,064 92	7	567 00	20	1,547 42	18	690 33	18	515 33
5	848 33	4	388 33	4	268 00	2	78 00	.....	.....
21	2,877 00	109	15,354 00	17	1,048 67	27	1,002 00	21	721 00
18	4,273 33	11	1,196 00	12	846 00	48	2,483 00	23	718 66
3	350 00	5	575 00	3	310 00	3	125 00	6	240 00
2	125 00	3	325 00	2	450 00	1	80 00	2	65 00
4	408 33	6	545 00	3	175 83	5	215 99	3	83 33
2	300 00	2	160 00	2	225 00	1	75 00	2	75 00
43	6,315 83	9	1,052 50	20	1,684 00	33	2,247 72	19	996 00
61	6,651 34	71	7,447 00	41	2,788 00	40	2,278 00	27	1,186 00
6	1,030 00	2	425 00	5	450 00	3	125 00	2	75 00
8	1,016 67	6	420 00	3	350 00	7	371 33	2	96 00
9	955 00	28	2,710 00	8	820 00	23	970 00	5	218 00
10	951 66	24	2,502 00	11	618 00	25	1,045 00	4	110 00
5	431 67	1	125 00	6	373 00	2	70 00	.....	.....
4	1,110 00	22	3,950 00	4	410 00	11	600 00	5	285 00
26	3,186 00	7	800 00	6	555 00	36	2,309 00	10	379 33
10	1,283 33	8	695 00	6	455 00	8	292 00	5	168 00
22	3,447 00	16	1,612 00	12	990 00	7	480 00	6	227 00
16	2,435 33	59	12,657 33	25	2,535 00	42	2,121 34	23	1,013 00
43	10,693 09	57	8,377 33	41	5,082 16	48	3,424 07	2	96 66
22	3,343 17	26	3,477 37	25	2,016 16	35	2,136 66	17	724 32
62	7,746 66	76	6,685 65	47	3,171 34	100	4,752 00	59	2,305 16
7	655 00	.....	.....	2	177 66	2	126 66	.....	.....
3	310 00	1	125 00	2	246 00	4	195 00	.....	.....
4	930 00	8	696 00	4	430 00	11	588 00	1	139 00
24	2,268 00	26	2,365 00	8	708 00	19	720 00	6	225 00
2	220 00	4	400 00	2	100 00	1	50 00	2	50 00
8	1,088 33	21	1,660 00	6	379 50	8	393 00	6	219 00
1	1,388 33	44	7,362 67	17	1,801 67	14	731 00	10	502 00
3	92 00	.....	.....	4	130 00	6	150 00	2	60 00
3	600 00	1	500 00	3	300 00	11	409 50	3	105 00
9	795 25	33	3,018 00	9	677 00	10	555 00	7	262 00
2	391 67	4	870 83	2	140 00	3	105 00	2	68 00
7	1,231 63	18	2,083 67	5	356 67	4	212 67	8	305 00
3	365 00	2	138 00	2	90 00	.....	.....	1	60 00
80	12,629 11	63	6,791 40	59	3,815 66	149	7,947 41	48	1,748 67
.....	.....	1	100 00	1	40 00	.....	.....	.....	.....
15	1,675 00	16	1,585 00	3	200 00	40	2,000 00	6	200 00
7	901 00	21	2,015 00	9	521 00	14	552 00	15	560 00
5	534 00	2	165 00	4	260 00	4	375 00	3	102 00
11	1,835 00	11	1,600 00	7	565 00	25	1,085 00	10	457 00
27	2,608 50	13	1,255 00	20	1,331 50	22	1,213 00	12	481 00
15	1,824 83	28	2,295 00	16	1,403 80	27	1,318 50	8	471 15
62	12,647 66	138	18,515 99	23	2,356 01	90	4,559 68	33	1,197 00
4	385 00	22	1,135 00	3	240 00	.....	.....	.....	.....
4	287 00	2	125 00	2	120 00	4	140 00	2	60 00
6	670 00	.....	.....	1	100 00	1	40 00	.....	.....
24	3,165 00	40	4,743 00	18	1,310 00	31	1,054 00	25	849 50
12	1,151 66	7	550 00	9	602 66	8	498 00	8	282 16
3	450 00	16	1,455 00	4	440 00	.....	.....	1	40 00

TABLE IIc—MANUFACTURES—CINCINNATI—Concluded.

INDUSTRIES.	No. of Estab- lish- ments re- ported.	Total amount paid in wages dur- ing year 1903.
Tools.....	34	\$1,228,667 03
Trunks and valises.....	7	44,690 00
Wire rods, wire cloth and wire goods.....	4	116,197 09
Miscellaneous.....	41	1,143,099 38
Totals.....	1,214	\$28,300,555 66

TABLE IIc—MANUFACTURES—CINCINNATI—Concluded.

OFFICE HELP.									
Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
58	\$7,490 83	18	\$2,092 33	20	\$1,752 01	53	\$2,928 50	24	\$924 99
3	245 00	6	755 00	2	195 00	4	95 00	2	75 00
6	1,750 00	3	483 00	2	300 00	6	360 00	3	150 00
51	6,959 08	56	5,655 00	51	3,259 00	77	3,826 01	24	801 32
1,318	\$176,964 15	2,130	\$245,083 10	959	\$77,155 26	1,817	\$88,639 85	746	\$28,575 24

TABLE II*d*—MANUFACTURES—DAYTON.

INDUSTRIES.	No. of Estab- lish- ments re- ported	Total amount paid in wages dur- ing year 1903.
Advertising novelties and signs.....	2	\$25,142 25
Agricultural implements.....	4	202,107 86
Awnings, tents and flags.....	3	4,955 10
Boilers, engines and tanks.....	6	321,501 75
Boxes (paper).....	5	153,908 56
Boxes (wooden).....	4	46,731 58
Bread and other bakery products.....	6	51,424 00
Brick and tile.....	5	24,532 00
Brooms and brushes.....	3	47,00 00
Carriages and wagons.....	9	100,936 64
Carriage and wagon materials.....	3	98,459 40
Cigars.....	20	283,689 08
Clothing.....	23	127,036 88
Coffee, baking powder and spices.....	3	35,378 00
Confectionery.....	2	2,160 00
Dairy products.....	2	26,640 00
Drugs, chemicals and druggists' sundries.....	2	7,068 00
Electrical goods and supplies.....	4	56,647 72
Extracts, toilet articles and perfumery.....	2	15,347 27
Flouring mill products.....	4	29,650 00
Foundry and machine shop products.....	20	4,106,701 66
Furniture.....	6	218,699 21
Glass and glassware.....	2	5,000 00
Harness and saddlery.....	2	6,275 00
Iron (structural and architectural).....	2	5,900 00
Liquors (malt).....	7	100,801 40
Machinery.....	12	1,859,598 08
Mattresses and pillows.....	2	10,700 00
Paints and varnishes.....	4	37,519 68
Patterns and models.....	2	7,484 99
Printing and binding.....	20	249,692 17
Sash, doors, lumber and interior finish.....	5	257,862 37
Slaughtering and meat packing.....	2	44,115 12
Soap, candles and tallow.....	6	58,585 54
Soda and mineral waters.....	3	5,626 55
Stoves, ranges and furnaces.....	4	139,878 63
Strawboards and papers.....	5	122,096 74
Tinware, sheet-iron and galvanized-iron ware.....	3	29,674 25
Tobacco (chewing and smoking).....	4	76,215 53
Tools.....	5	32,089 35
Miscellaneous.....	27	409,403 98
Totals.....	255	\$9,401,936 34

TABLE II*d*—MANUFACTURES—DAYTON.

OFFICE HELP.									
Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
2	\$192 50	2	\$150 00	2	\$100 00	.....	.....	2	\$48 00
13	1,505 00	12	1,375 00	6	601 67	12	\$770 00	2	83 00
1	100 00	4	238 00	2	85 00	.....	.....	.....	.....
11	1,528 00	5	700 00	5	355 00	9	466 00	.....	185 00
6	1,145 00	18	1,855 00	5	433 33	9	765 00	8	385 00
7	425 00	1	60 00	2	132 00	.....	.....	1	18 00
7	770 00	31	2,022 00	7	449 00	6	175 00	1	30 00
3	300 00	.....	.....	.....	.....	.....	.....	.....	.....
11	958 33	1	45 00	.....	.....	.....	.....	.....	.....
6	760 00	5	525 00	3	223 33	2	117 00	2	85 00
15	1,203 00	.....	.....	3	165 00	1	60 00	1	40 00
4	475 00	9	1,625 00	7	480 00	1	25 00	1	40 00
4	310 00	14	1,183 33	5	397 50	4	170 00	3	65 00
.....	.....	26	2,170 00	5	383 00	6	290 00	5	205 00
1	166 66	.....	.....	1	22 00	.....	.....	.....	.....
2	185 00	.....	.....	1	65 00	1	50 00	1	40 00
3	306 67	1	110 00	1	75 00	1	42 00	1	75 00
1	125 00	.....	.....	3	220 00	3	150 00	5	193 00
2	165 00	12	965 00	1	83 33	1	60 00	1	40 00
77	17,758 73	4	170 00	3	230 00	2	49 00	.....	.....
15	1,270 00	450	144,613 40	67	5,023 27	174	8,063 67	193	8,297 67
.....	.....	12	1,246 66	5	278 50	5	217 00	5	225 33
1	60 00	.....	.....	.....	.....	.....	.....	.....	.....
2	241 67	2	125 00	.....	.....	.....	.....	.....	.....
9	1,329 99	7	664 99	8	754 83	1	60 00	2	88 00
20	4,070 34	30	6,467 66	15	1,327 33	61	3,627 30	27	1,261 04
3	135 00	11	3,000 00	.....	.....	4	81 00	.....	.....
1	125 00	16	2,266 66	4	226 67	4	145 00	4	75 00
.....	.....	.....	.....	1	15 00	.....	.....	1	28 00
21	2,095 00	17	1,657 11	18	1,339 16	17	776 00	11	394 17
13	1,746 66	3	150 00	5	325 00	4	186 00	3	111 00
5	464 00	7	1,178 00	5	295 00	1	30 00	1	58 00
6	365 00	31	2,277 00	3	250 00	.....	.....	9	285 50
1	60 00	2	144 00	1	60 00	.....	.....	.....	.....
2	465 00	7	600 00	3	430 00	4	245 00	2	75 00
7	760 00	1	230 00	4	308 00	2	125 00	4	168 00
1	135 00	.....	.....	2	80 00	.....	.....	.....	.....
4	303 80	4	400 00	3	235 00	.....	.....	1	40 00
2	210 00	4	500 00	3	95 00	.....	.....	1	25 00
36	3,954 09	15	1,808 34	20	1,343 00	35	2,124 18	25	898 33
325	\$46,169 44	764	\$180,522 15	229	\$16,885 92	370	\$18,869 15	327	\$13,562 04

TABLE—IIc—MANUFACTURES—TOLEDO.

INDUSTRIES.	No. of Estab- lish- ments re- ported	Total amount] paid in wages dur- ing year 1903.
Agricultural implements.....	2	\$16,947 87
Awnings, tents and flags.....	3	24,880 70
Bath cabinets.....	2	14,000 00
Bicycles, bicycle sundries and automobiles.....	5	803,525 33
Billiard tables, bar and store fixtures.....	2	76,857 55
Boilers, engines and tanks.....	6	349,312 86
Boxes (paper).....	3	12,585 77
Boxes (wooden).....	4	33,526 58
Bread and other bakery products.....	10	98,679 20
Brick and tile.....	10	170,452 14
Brooms and brushes.....	6	83,911 42
Carriages and wagons.....	11	240,478 75
Carriage and wagon materials.....	5	127,905 40
Chewing gum.....	2	5,242 91
Cigars.....	14	38,209 94
Clothing.....	37	348,570 86
Coffee, baking powder and spices.....	2	41,100 00
Copperage.....	2	27,530 00
Copper and brass goods.....	2	9,352 00
Cotton and woolen goods (knit and woven).....	3	74,115 00
Drugs, chemicals and druggists' sundries.....	7	20,020 00
Electrical goods and supplies.....	4	84,480 58
Extracts, toilet articles and perfumery.....	3	2,265 40
Flouring mill products.....	9	164,066 52
Foundry and machine shop products.....	17	1,090,302 40
Furniture.....	11	197,458 77
Gas and electricity.....	2	71,476 70
Glass and glassware.....	3	623,513 40
Harness and saddlery.....	2	8,000 00
Hats, caps and furnishings.....	2	7,640 00
Iron (structural and architectural).....	2	304,845 07
Lime, sand, cement and plaster.....	4	19,532 50
Liquors (distilled).....	2	13,200 00
Liquors (malt).....	6	204,707 87
Machinery.....	11	532,926 77
Marble and granite.....	2	15,450 00
Mattresses and pillows.....	2	10,900 00
Oil and grease.....	4	135,519 88
Paints and varnishes.....	3	13,903 33
Pickles, preserves and sauces.....	2	13,563 32
Printing and binding.....	19	117,284 07
Pumps and water wheels.....	3	17,582 29
Sash, doors, lumber and interior finish.....	15	208,987 10
Soap, candles and tallow.....	2	7,600 35
Soda and mineral waters.....	3	28,753 13
Steel, iron and tin.....	3	351,659 41
Stencils, stamps and seals.....	3	5,093 00
Stone (cut, sawed and artificial).....	3	37,341 64
Stoves, ranges and furnaces.....	2	19,142 98
Tinware, sheet-iron and galvanized-iron ware.....	13	221,673 08
Tools.....	2	6,097 73
Wire rods, wire cloth and wire goods.....	2	12,474 85
Miscellaneous.....	23	319,873 01
Totals.....	324	\$7,484,519 48

TABLE—IIe—MANUFACTURES—TOLEDO.

[OFFICE HELP.									
Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
2	\$154 00	1	\$216 67	2	\$153 00	1	\$26 00	2	\$61 67
3	300 00	12	1,028 67	2	125 00	1	100 00	2	55 00
2	205 00	3	300 00	2	115 00	.....	.....	1	33 33
17	2,965 66	22	2,570 00	7	575 34	20	971 00	19	880 00
4	350 00	12	1,150 00	2	175 00	9	360 00	8	300 00
8	1,050 00	6	466 66	7	584 66	2	100 00	3	110 33
1	100 00	1	100 00	.....	.....	.....	.....	1	30 00
2	265 00	.....	.....	2	140 00	1	35 00	.....	.....
4	448 33	27	1,752 00	6	426 66	4	149 33	3	97 00
10	974 16	2	215 00	7	410 00	2	95 00	1	25 00
4	675 00	13	1,125 00	3	205 00	4	172 00	6	187 00
21	2,475 00	2	135 00	7	255 00	10	600 00	6	240 00
7	997 00	4	250 00	7	410 00	1	100 00	2	88 00
.....	.....	1	75 00	1	40 00	.....	.....	.....	.....
1	65 00	1	60 00	.....	.....	.....	.....	.....	.....
11	1,358 66	31	2,404 66	10	551 33	9	412 00	2	65 00
2	190 00	30	3,500 00	7	610 00	27	1,450 00	11	465 00
2	171 66	.....	.....	1	25 00	.....	.....	.....	.....
.....	.....	.....	.....	2	80 00	.....	.....	.....	.....
4	400 00	7	910 00	3	145 00	10	500 00	1	25 00
3	273 00	3	235 00	2	110 00	1	60 00	3	61 33
6	524 00	14	1,475 34	5	300 00	4	226 00	5	181 00
1	125 00	8	425 00	3	160 00	4	152 00	2	41 67
13	2,355 01	7	455 00	11	887 00	7	329 17	7	316 00
27	4,190 66	6	690 00	18	1,164 50	52	3,071 33	17	696 00
11	1,196 00	9	915 00	9	391 00	1	50 00	.....	.....
5	933 33	3	265 00	5	310 00	4	175 00	.....	.....
11	3,055 40	6	860 00	1	65 00	10	1,092 00	2	72 00
1	60 00	1	70 00	1	50 00	.....	.....	.....	.....
1	87 00	.....	.....	.....	.....	.....	.....	.....	.....
2	225 00	.....	.....	2	147 00	45	3,350 00	3	130 00
2	351 33	6	553 00	3	210 00	2	100 00	4	160 00
4	408 33	4	536 33	1	183 33	3	262 00	.....	.....
12	2,758 33	11	974 98	10	1,058 33	9	767 66	1	50 00
14	2,080 00	7	950 00	10	706 66	11	550 83	11	450 50
2	190 00	2	130 00	1	65 00	1	85 00	.....	.....
2	180 00	8	400 00	1	40 00	1	40 00	.....	.....
9	1,615 00	1	60 00	5	511 66	6	455 00	5	235 00
3	238 33	9	577 50	2	160 00	2	85 00	2	53 00
3	235 00	5	460 00	2	143 33	1	50 00	.....	.....
9	810 00	5	675 00	8	363 00	18	770 00	10	324 00
2	250 00	8	685 00	2	100 00	1	50 00	2	70 00
16	1,589 33	9	846 67	12	810 00	4	237 50	2	100 00
1	150 00	3	130 00	2	70 00	.....	.....	1	21 00
3	275 00	4	325 00	2	160 00	1	50 00	.....	.....
8	1,151 83	.....	.....	3	235 00	11	508 07	2	80 00
.....
2	308 33	4	414 66	2	98 00	.....	.....	2	46 00
2	400 00	2	150 00	2	114 00	.....	.....	2	56 00
11	1,353 00	8	435 00	11	566 00	6	365 00	9	372 00
1	75 00	1	75 00	1	40 00	.....	.....	1	40 00
3	205 00	1	100 00	1	60 00	.....	.....	.....	.....
15	1,579 66	31	2,529 00	18	912 50	10	463 00	10	312 00
311	\$42,372 34	361	\$32,756 14	234	\$15,217 30	316	\$18,414 89	171	\$6,529 83

TABLE II_f—MANUFACTURES—CITIES.

INDUSTRIES.	No. of Estab- lish- ments re- ported	Total amount paid in wages dur- ing year 1903.
Advertising novelties and signs.....	9	\$301,104 27
Agricultural implements.....	30	1,995,422 16
Awnings, tents and flags.....	3	4,240 00
Baskets.....	3	9,214 46
Bicycles, bicycle sundries and automobiles.....	9	225,162 61
Billiard tables, bar and store fixtures.....	5	36,218 88
Boilers, engines and tanks.....	71	4,038,346 48
Boots and shoes.....	19	1,462,465 57
Boxes (paper).....	7	49,980 59
Boxes (wooden).....	11	85,130 40
Bread and other bakery products.....	121	313,293 15
Brick and tile.....	108	2,119,047 56
Brooms and brushes.....	19	118,899 00
Canned goods.....	13	168,421 97
Carriages and wagons.....	115	985,195 53
Carriage and wagon materials.....	34	668,775 22
Cars and car furnishings.....	3	360,631 16
Chewing gum.....	4	23,325 85
Churns.....	3	2,810 00
Cigars.....	170	769,509 83
Clothing.....	223	765,108 32
Clothes wringers and washboards.....	3	3,827 58
Coffee, baking powder and spices.....	5	2,900 00
Coffins and burial cases.....	4	95,083 64
Confectionery.....	25	67,729 21
Cooperage.....	28	249,615 36
Copper and brass goods.....	10	229,303 69
Cordage and twine.....	3	249,619 14
Cotton and woolen goods (knit and woven).....	19	324,298 23
Cutlery and edge tools.....	5	265,318 25
Dairy products.....	8	29,683 00
Dental and surgical chairs.....	3	56,902 36
Drugs, chemicals and druggists' sundries.....	33	57,226 48
Electrical goods and supplies.....	26	702,888 85
Elevators and hoisting machinery.....	2	3,135 00
Extracts, toilet articles and perfumery.....	7	70,944 43
Fertilizers.....	9	40,176 79
Fireworks.....	2	12,380 00
Flouring mill products.....	103	761,351 11
Foundry and machine shop products.....	110	2,895,205 22
Furniture.....	39	862,028 19
Gas and electricity.....	78	729,303 55
Glass works supplies.....	4	95,712 86
Glass and glassware.....	24	2,771,068 85
Gloves and mittens.....	10	101,480 86
Gunpowder and other explosives.....	7	133,511 08
Handles.....	10	121,045 00
Hardware.....	12	413,117 34
Harness and saddlery.....	16	126,741 44
Hats, caps and furnishings.....	3	25,750 00
Hollowware.....	2	191,897 46
Ice (artificial).....	31	159,164 31
Iron (structural and architectural).....	16	832,568 97
Jewelry and watches.....	4	833,966 97
Leather and leather goods.....	11	127,804 58
Lightning apparatus.....	5	60,317 76
Lime, sand, cement and plaster.....	34	441,372 30
Liquors (distilled).....	18	69,341 74
Liquors (malt).....	48	576,274 02
Lithographing, engraving and electrotyping.....	6	43,395 76
Machinery.....	81	3,757,216 01
Malt.....	3	27,319 88
Marble and granite.....	21	70,814 72
Marbles.....	2	17,100 00
Mattresses and pillows.....	11	73,740 53
Oilcloth and window-shade cloth.....	2	63,840 62
Oil and grease.....	6	343,934 64
Paints and varnishes.....	12	26,741 21
Patterns and models.....	7	33,268 39
Pianos and other musical instruments.....	7	188,415 02
Pickles, preserves and sauces.....	5	9,010 32
Plating.....	7	15,664 00

TABLE II.—MANUFACTURES—CITIES.

OFFICE HELP.									
Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
18	\$2,587 66	127	\$18,291 89	17	\$619 00	7	\$212 66	10	\$350 33
93	12,157 88	106	9,746 33	42	3,319 00	69	5,462 93	49	1,900 00
1	90 00	2	120 00	1	55 00				
2	150 00								25 00
13	1,364 00	24	2,525 00	9	520 00	11	495 00	11	400 00
1	100 00	1	83 33	3	152 67	1	40 00	2	70 33
132	16,656 47	129	16,056 26	72	5,324 49	127	7,975 71	68	3,132 65
76	6,970 53	108	13,591 66	15	942 00	117	4,111 90	14	490 86
5	431 67	3	270 00	2	90 00	1	30 00	2	60 00
5	528 33	1	75 00	3	285 00	2	59 00	1	25 00
13	1,078 33	45	3,375 63	17	930 66	35	924 67	5	146 17
90	11,766 73	29	4,080 00	47	3,332 33	46	2,387 75	25	907 66
8	775 00	20	1,865 00	5	246 00	5	140 00	4	112 00
12	1,310 00	12	765 00	13	929 66	27	95 00	3	85 00
57	5,931 49	62	6,040 42	37	2,078 48	27	1,260 14	26	1,053 33
37	3,579 16	14	1,635 00	15	985 83	12	603 00	15	487 75
10	1,141 66	2	675 00	3	325 00	9	575 00	5	245 00
2	225 00	6	430 00	1	60 00	2	65 17	2	72 00
30	2,881 61	29	3,580 83	20	1,077 17	12	399 00	9	267 39
25	2,026 98	84	6,660 58	16	864 50	20	866 85	10	307 50
1	60 00	4	300 00	1	52 00			1	75 00
2	155 00	3	145 00	3	115 00			1	25 00
5	640 00	11	933 33	4	384 67	9	376 67	3	80 80
8	660 00	30	2,060 40	11	610 67	15	375 00	1	25 00
16	1,160 75	1	100 00	11	555 50			2	70 00
16	2,295 00	20	3,000 00	9	626 83	20	1,200 00	22	849 33
8	975 00	6	783 33	7	505 00	6	280 00	5	216 90
16	1,685 66	10	1,218 04	14	810 50	6	432 50	8	281 33
14	1,975 00	41	6,390 00	8	485 00	15	392 00	12	336 00
4	390 00			5	325 00	1	32 00	1	32 00
7	735 00			4	325 00	2	51 00	5	260 00
15	1,386 10	117	6,632 91	18	783 20	14	530 33	28	817 81
45	5,534 99	28	3,097 77	28	1,929 80	37	1,707 93	48	1,756 75
1	150 00			1	40 00				
9	1,059 00	15	1,350 00	4	235 00	3	122 00	5	149 00
8	642 00	14	1,075 00	4	235 00	3	175 00	1	50 00
2	65 00			2	80 00			2	70 00
76	7,719 99	37	2,782 39	63	3,221 33	23	945 00	19	650 00
101	12,384 12	28	3,975 00	65	4,812 25	58	3,178 66	39	1,505 75
59	6,310 82	53	5,941 17	27	1,705 49	12	567 50	19	673 33
86	9,654 97	7	449 00	67	3,666 49	39	1,494 00	15	554 00
3	500 00			2	200 00	2	160 00	2	95 00
49	6,127 00	24	3,544 67	30	2,439 16	22	1,126 00	23	989 58
10	292 00	12	949 00	5	185 00			3	82 00
10	1,750 00	3	400 00	5	385 00	1	75 00	2	100 00
8	970 33	2	240 00	2	150 00	2	51 67	4	162 50
28	2,799 50	7	683 33	8	559 00	10	473 00	9	300 80
8	740 00	9	792 50	6	275 50	3	175 00	2	65 00
3	450 00	25	2,000 00	3	235 00	3	195 00	3	115 00
4	791 66	10	1,000 00	2	110 00	4	120 00	3	90 00
24	2,023 49	6	415 00	24	1,314 33	14	642 87	6	244 00
20	2,637 67	28	4,241 66	14	1,224 00	36	3,354 00	17	680 50
3	520 00	7	712 00	3	360 00	7	595 00	8	301 67
9	1,595 82	7	2,100 41	6	336 00	5	310 00	4	187 50
10	993 00	3	336 67	8	531 66	15	900 00	7	320 00
24	2,180 66	6	443 33	21	1,054 34	6	279 70	13	473 33
21	2,484 99	28	2,970 32	13	805 00	6	187 00	7	226 00
46	6,429 33	32	3,001 67	44	3,566 82	17	1,097 50	4	160 00
4	398 66	2	300 00	2	140 00	2	90 00	3	99 00
127	16,306 55	94	10,751 49	78	5,796 85	122	7,416 19	90	3,541 91
2	266 66	1	300 00	2	131 66				
2	205 00	6	420 00	2	145 00	1	30 00	1	39 00
2	150 00			1	75 00			1	25 00
6	330 00	5	370 00	4	120 00	3	84 00	3	82 00
4	685 00					2	152 00	1	43 33
8	1,012 50			4	375 00	23	1,313 16	1	80 00
11	1,509 87	22	2,091 00	8	660 00	2	43 33	14	421 00
2	246 00							1	30 00
13	1,741 33	8	1,193 33	7	432 50			4	190 00
2	175 00	2	200 00	1	25 00				
1	50 00			1	35 00			1	25 00

TABLE II_f—MANUFACTURES—CITIES—Concluded.

INDUSTRIES.	No. of Estab- lish- ments re- ported	Total amount paid in wages dur- ing year 1903.
Plumbing, steam and gas fitting supplies.....	10	\$303,700 60
Pottery and stoneware.....	54	3,717,479 12
Potters' supplies.....	7	71,691 15
Printing and binding.....	262	1,848,996 54
Pumps and water wheels.....	11	356,287 58
Roofing (iron, steel and tin).....	13	95,815 36
Rubber goods.....	16	2,036,049 00
Safes, vaults and locks.....	5	819,382 26
Sash, doors, lumber and interior finish.....	135	1,382,435 76
Slaughtering and meat packing.....	5	35,826 00
Soap, candles and tallow.....	12	26,541 00
Soda and mineral waters.....	50	78,726 36
Steel, iron and tin.....	59	15,708,961 58
Stencils, stamps and seals.....	3	1,550 00
Stone (cut, sawed and artificial).....	7	134,509 57
Stoves, ranges and furnaces.....	40	1,768,194 60
Strawboards and paper.....	25	1,013,355 57
Sucker rods.....	2	23,193 00
Tinware, sheet-iron and galvanized-iron ware.....	44	694,451 80
Tobacco (chewing and smoking).....	8	468,881 73
Tools.....	21	855,875 43
Umbrellas and parasols.....	2	19,500 00
Wire rods, wire cloth and wire goods.....	9	265,155 09
Miscellaneous.....	83	606,957 72
Totals.....	2,810	\$66,296,336 25

TABLE II_f—MANUFACTURES—CITIES—Concluded.

OFFICE HELP.									
Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
10	\$1,057 68	12	\$1,160 00	6	\$443 67	10	\$585 00	7	\$292 50
106	12,331 33	212	22,123 66	53	4,276 34	59	2,871 00	45	1,609 50
6	617 33	69	5,403 48	5	326 66	118	4,878 17	2	88 00
142	13,578 42	6	530 00	127	6,165 65	15	786 00	86	2,715 49
13	1,600 00	5	450 00	4	391 66	3	120 00	9	440 00
9	891 66	103	13,611 54	8	443 00	126	7,768 59	7	282 00
34	5,228 32	62	14,200 00	34	3,032 32	37	2,203 33	101	5,222 83
11	3,165 07	33	2,166 33	11	1,079 66	29	1,197 33	13	548 33
100	9,396 33	5	360 00	88	5,261 63	4	221 00	23	732 00
3	420 00	6	500 00	4	225 00	1	15 00	2	45 00
4	368 00	10	500 00	3	160 00	1	30 00	67	3,438 55
14	909 66	36	4,571 65	6	229 00	487	30,816 05	2	90 00
314	57,317 01	1	35 00	57	4,723 03	1	100 00	27	954 85
1	60 00	1	175 00	4	218 00	50	2,338 83	17	647 66
5	398 00	82	8,458 66	36	2,630 33	24	1,520 00	31	1,152 66
71	7,699 50	11	1,600 00	23	1,944 99	1	50 00	6	242 33
35	5,490 60	2	180 00	2	180 00	42	2,107 00	11	500 66
3	265 00	20	2,255 00	24	1,405 95	13	581 18	2	75 00
42	4,901 80	13	1,180 00	7	799 21	13	647 66	6	184 33
11	1,869 66	10	1,051 00	12	1,003 33	1	18 00	30	1,012 50
19	2,678 25	8	1,200 00	2	130 00	10	460 00		
3	200 00	3	285 00	5	360 00	32	1,348 00		
13	1,341 00	54	4,633 33	39	2,073 34				
48	5,395 33								
2,604	\$320,932 67	2,354	\$258,806 30	1,560	\$102,810 11	2,153	\$117,095 93	1,233	\$48,059 28

TABLE IIg—MANUFACTURES—VILLAGES.

INDUSTRIES.	No. of Estab- lish- ments re- ported	Total amount paid in wages dur- ing year 1903.
Advertising novelties and signs.....	3	\$9,421 00
Agricultural implements.....	18	364,648 22
Baskets.....	7	29,375 78
Bicycles, bicycle sundries and automobiles.....	4	53,532 40
Billiard tables, bar and store fixtures.....	7	52,005 65
Boilers, engines and tanks.....	17	630,721 23
Boots and shoes.....	3	29,904 61
Boxes (wooden).....	9	23,756 41
Bread and other bakery products.....	72	49 049 25
Brick and tile.....	224	2,569,352 00
Brooms and brushes.....	10	22,979 53
Canned goods.....	21	59,507 27
Carriages and wagons.....	83	421,769 62
Carriage and wagon materials.....	18	297,816 84
Cars and car furnishings.....	2	134,258 21
Churns.....	2	18,915 00
Cigars.....	101	154,964 82
Clothing.....	85	145,366 57
Coffee, baking powder, and spices.....	3	1,863 80
Confectionery.....	2	913 70
Cooperage.....	48	302,431 38
Cotton and woolen goods (knit and woven).....	16	207,824 96
Dairy products.....	62	90,679 37
Drugs, chemicals and druggists' sundries.....	15	288,094 18
Electrical goods and supplies.....	8	207,449 01
Extracts, toilet articles and perfumery.....	2	105 00
Fireworks.....	2	64,525 28
Flouring mill products.....	255	409,710 95
Foundry and machine shop products.....	70	1,000,488 42
Furniture.....	36	427,307 17
Gas and electricity.....	101	166,423 00
Glass and glassware.....	6	825,865 08
Gloves and mittens.....	2	20,500 00
Handles.....	26	155,384 65
Hardware.....	4	102,944 76
Harness and saddlery.....	21	218,480 11
Ice (artificial).....	11	26,983 40
Iron (structural and architectural).....	3	41,115 74
Leather and leather goods.....	9	102,683 71
Lime, sand, cement and plaster.....	21	391,689 27
Liquors (distilled).....	8	43,175 47
Liquors (malt).....	10	36,877 00
Machinery.....	36	360,623 05
Marble and granite.....	17	67,133 82
Matches.....	2	365,792 50
Paints and varnishes.....	2	17,638 48
Pianos and other musical instruments.....	3	57,987 70
Pickles, preserves and sauces.....	6	15,880 71
Pottery and stoneware.....	33	854,758 94
Printing and binding.....	170	158,958 61
Pumps and water wheels.....	12	235,549 93
Rubber goods.....	5	157,749 07
Salt.....	6	105,015 99
Sash, doors, lumber and interior finish.....	161	767,181 30
Slaughtering and meat packing.....	2	16,212 16
Soda and mineral waters.....	11	5,443 88
Steel, iron and tin.....	20	2,636,828 40
Stone (cut, sawed and artificial).....	11	104,625 54
Stoves, ranges and furnaces.....	7	134,580 02
Strawboards and paper.....	19	668,435 23
Tinware, sheet-iron and galvanized-iron ware.....	11	56,142 92
Tobacco (chewing and smoking).....	3	8,643 40
Tools.....	5	101,523 96
Whips.....	3	24,913 87
Wire rods, wire cloth and wire goods.....	4	7,199 70
Miscellaneous.....	58	432,851 22
Totals.....	2,034	\$17,602,530 22

TABLE IIg—MANUFACTURES—VILLAGES.

OFFICE HELP.									
Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
2	\$288 00	5	\$360 00	2	\$155 00	1	\$50 00		
23	1,927 00	44	3,778 31	12	701 50	13	723 16	13	\$435 00
3	231 66			4	150 00				
3	350 00	1	125 00	4	245 00	2	70 00	3	101 00
6	637 00	3	150 00	4	196 00	1	50 00	4	135 00
16	2,110 00	4	355 00	15	1,133 50	16	948 00	8	420 00
2	266 67	5	288 20	2	200 00	2	61 00	2	40 00
2	185 00			2	55 00	1	36 00		
1	38 00		75 00	2	38 00	6	128 00		
127	11,782 33	31	3,659 17	64	3,792 33	42	2,249 00	27	1,038 30
2	130 00	3	269 00	2	87 00	1	30 00		
14	858 66	1	50 00	2	420 08	1	61 00	1	12 00
14	1,240 66	23	2,285 66	13	724 21	11	393 00	11	392 67
18	1,898 33	4	416 67	11	615 00	5	225 00	5	164 00
2	466 66	1	300 00	2	140 00	3	159 00	2	85 00
3	280 00			2	111 00	1	55 00		
7	305 00	6	430 00	2	50 00	1	37 50		
12	900 00	9	1,727 50	4	105 00	3	68 00	1	20 00
1	83 33							1	35 00
36	2,620 00	5	368 33	9	587 00	5	253 33	2	136 00
13	1,702 41	7	448 33	3	213 00	6	240 50	4	90 00
33	781 50	3	260 00	14	585 32	2	50 00		
17	1,867 83	25	2,225 50	9	607 00	15	1,095 00	14	575 00
8	1,066 66	29	3,067 49	8	418 33	15	486 34	12	436 00
1	50 00	2	60 00			1	40 00		
2	375 00	1	275 00	2	186 33	1	45 00		40 00
62	4,293 16	28	1,677 32	68	3,018 46	8	609 00	5	184 00
41	4,195 78	12	1,008 33	28	1,555 00	30	4,770 65	18	615 00
34	2,699 66	25	2,032 00	27	1,180 33	7	323 00	7	264 00
54	3,849 58	3	125 00	24	743 75	13	324 58	1	30 00
12	1,809 13	1	250 00	4	563 00	10	553 00	6	353 00
		1	40 00	1	40 00			1	15 00
9	63 00	5	487 67	9	375 00			1	30 00
5	600 00	12	1,253 00	3	170 00	1	30 00	5	129 50
16	2,692 00	24	1,376 00	7	318 00	19	657 00	11	345 00
5	390 00			5	210 00	1	50 00		
4	430 00	5	625 00	2	228 00	1	65 00	1	40 00
5	908 32	1	416 66	3	160 00	2	130 00	1	55 00
21	2,145 32	11	961 66	14	834 00	17	824 00	5	195 00
5	660 00	3	630 00	6	308 00	3	115 00	3	63 00
5	455 00	5	375 00	6	330 00	1	40 00		
32	2,994 82	25	2,235 00	25	1,624 00	25	1,234 00	19	638 50
3	255 00	7	415 00	1	60 00	3	375 00	2	35 00
34	4,050 00	11	938 33	4	350 00	10	590 00	4	163 50
1	125 00			1	60 00	1	48 00	1	48 00
2	400 00		500 00	3	170 00			3	117 00
2	185 00	4		2	77 00	2	38 00		
37	3,842 00	64	13,214 74	21	1,416 67	13	649 00	14	469 00
32	2,543 76	3	150 00	17	510 81	24	540 13	6	200 68
9	814 16	35	3,433 33	9	633 33	25	490 00	9	465 00
4	560 00	4	438 00	3	155 00	7	513 00	3	145 00
8	700 00	5	420 00	5	308 00	5	215 00	2	60 00
55	4,352 00	28	1,950 08	58	2,537 00	18	681 67	13	479 50
2	200 00	2	130 00	1	25 00				
		1	40 00	2	65 00				
25	4,473 33	1	100 00	14	1,191 33	77	4,981 66	13	623 00
15	1,098 30	4	190 00	9	463 50			1	40 00
5	525 66	13	1,215 00	5	250 00			4	105 00
28	3,747 65	6	1,285 00	16	1,491 67	7	423 00	10	380 50
6	685 00	22	1,536 90	6	415 00	3	110 83	5	154 00
1	50 00								
5	406 33	9	762 80	3	126 00	3	122 00	3	106 00
6	576 67	18	1,349 00	3	200 00	2	100 00	2	75 00
4	318 00	9	450 00	2	67 67	3	32 50	2	57 50
31	3,414 32	31	2,177 31	22	1,591 37	27	1,044 50	19	582 67
993	\$94,517 65	651	\$65,162 29	643	\$35,337 49	527	\$28,404 01	311	\$11,418 32

TABLE IIh—MANUFACTURES—STATE.

INDUSTRIES.	No. of Estab- lish- ments re- ported.	Total amount paid in wages dur- ing year 1903.
Advertising novelties and signs.....	19	\$404,027 52
Agricultural implements.....	54	2,579,126 11
Awnings, tents and flags.....	24	163,448 27
Bags (paper and burlap).....	9	268,863 18
Baskets.....	10	38,590 24
Bath cabinets.....	2	14,000 00
Bicycles, bicycle sundries and automobiles.....	36	1,857,016 27
Billiard tables, bar and store fixtures.....	34	556,530 98
Boilers, engines and tanks.....	126	6,946,383 19
Boots and shoes.....	61	5,073,942 43
Boxes (paper).....	28	479,103 87
Boxes (wooden).....	58	562,340 35
Bread and other bakery products.....	262	1,424,106 47
Brick and tile.....	375	5,293,625 31
Brooms and brushes.....	55	321,267 54
Bungs.....	3	48,804 00
Buttons (pearl).....	2	16,028 00
Canned goods.....	34	227,929 24
Carriages and wagons.....	311	3,515,821 09
Carriage and wagon materials.....	85	1,573,436 20
Cars and car furnishings.....	5	494,889 37
Chewing gum.....	8	112,960 03
Churns.....	5	21,725 00
Cigars.....	422	2,645,051 07
Clothing.....	767	7,415,504 92
Clothes wringers and washboards.....	3	3,827 58
Coffee, baking powder and spices.....	26	252,695 54
Coffins and burial cases.....	10	458,489 02
Confectionery.....	56	499,541 29
Cooperage.....	94	966,723 35
Copper and brass goods.....	53	1,154,424 11
Cordage and twine.....	3	249,619 14
Cotton and woolen goods (knit and woven).....	57	1,296,571 20
Cutlery and edge tools.....	5	265,318 25
Dairy products.....	78	229,560 18
Dental and surgical chairs.....	3	56,902 36
Drugs, chemicals and druggists' sundries.....	99	987,297 30
Electrical goods and supplies.....	80	2,851,796 47
Elevators and hoisting machinery.....	9	141,861 97
Extracts, toilet articles and perfumery.....	24	128,503 70
Fertilizers.....	14	183,820 54
Fireworks.....	4	76,905 28
Flouring mill products.....	381	1,426,683 47
Foundry and machine shop products.....	334	17,059,327 45
Furniture.....	157	3,004,967 76
Furs.....	2	5,996 00
Gas and electricity.....	186	1,533,104 05
Glass works supplies.....	4	95,712 86
Glass and glassware.....	47	4,831,680 46
Gloves and mittens.....	15	156,120 56
Gunpowder and other explosives.....	9	197,261 58
Handles.....	36	276,429 65
Hardware.....	34	1,755,193 77
Harness and saddlery.....	70	672,004 55
Hats, caps and furnishings.....	31	279,948 98
Hollowware.....	2	191,897 46
Ice (artificial).....	55	317,852 08
Inks.....	5	104,481 80
Iron (structural and architectural).....	48	2,390,083 17
Jewelry and watches.....	24	982,118 17
Leather and leather goods.....	40	863,961 01
Lighting apparatus.....	10	115,999 78
Lime, sand, cement and plaster.....	68	908,765 58
Liquors (distilled).....	43	366,957 76
Liquors (malt).....	105	2,745,797 30
Lithographing, engraving and electrotyping.....	40	837,642 79
Macaroni.....	3	15,750 00
Machinery.....	249	12,299,745 00
Malt.....	6	55,207 88
Marble and granite.....	54	390,970 57
Marbles.....	2	17,100 00
Matches.....	2	365,792 50

TABLE IIh—MANUFACTURES—STATE.

OFFICE HELP.									
Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
27	\$4,168 16	136	\$19,051 89	26	\$1,130 00	14	\$508 66	21	\$661 33
131	15,743 88	163	15,116 31	62	4,775 17	95	6,982 09	66	2,479 67
19	1,801 00	38	2,741 67	16	930 00	7	240 00	8	275 00
11	1,308 16	31	2,469 30	7	660 00	20	966 17	10	432 67
5	381 66	.....	.....	4	150 00	.....	.....	1	25 00
2	205 00	3	300 00	2	115 00	.....	.....	1	33 33
49	6,857 99	62	8,034 98	36	2,465 34	63	3,206 83	54	2,301 00
25	2,378 40	44	4,048 33	27	1,783 67	26	1,146 00	28	1,110 33
217	27,601 13	153	18,466 92	126	9,715 98	190	11,272 71	97	4,543 98
240	28,652 86	448	58,418 42	79	5,867 67	287	10,213 36	53	1,899 02
26	3,578 83	28	2,736 33	15	1,030 00	15	968 00	17	742 66
36	3,503 33	8	870 00	30	1,892 00	11	474 00	7	215 00
61	6,862 32	344	23,477 79	69	4,554 49	138	4,299 49	27	875 50
254	27,601 88	67	8,419 17	126	8,089 66	95	4,912 75	55	2,080 96
20	2,227 00	70	5,322 00	15	836 00	21	857 00	14	479 00
4	675 00	3	250 00	2	208 00	1	50 00	3	100 00
.....	.....	1	50 00	1	30 00	1	20 00	.....	.....
26	2,168 66	13	815 00	21	1,349 74	4	156 00	4	97 00
183	19,011 37	195	20,747 39	117	7,268 18	143	6,867 14	109	4,109 50
89	9,254 49	32	3,411 67	49	3,020 83	26	1,383 00	33	1,084 42
12	1,608 32	3	975 00	5	465 00	12	734 00	7	330 00
4	683 34	15	1,405 00	3	208 00	4	135 17	2	72 00
3	280 00	.....	.....	2	111 00	1	55 00	.....	.....
110	9,218 94	128	14,311 50	61	4,161 92	52	2,338 50	25	917 39
222	27,245 97	728	85,283 73	224	16,679 70	421	17,894 52	114	3,997 84
1	60 00	4	300 00	1	52 00	.....	.....	1	75 00
21	1,840 33	253	20,761 00	34	2,334 00	62	3,307 00	33	1,372 00
20	2,986 00	41	4,725 33	10	1,089 67	22	1,286 67	6	262 80
24	2,415 00	108	8,235 40	35	2,274 07	89	3,049 50	12	415 00
84	6,577 41	16	1,718 33	30	1,927 50	10	628 33	9	406 00
68	8,087 92	50	6,002 00	52	3,625 25	53	2,635 33	52	1,781 66
8	975 00	6	783 33	7	505 00	6	280 00	5	216 90
54	6,781 73	61	10,529 41	37	2,475 00	48	2,530 18	20	642 33
14	1,975 00	41	6,390 00	8	485 00	15	392 00	12	336 00
45	2,020 16	7	590 00	32	1,673 32	14	539 50	5	229 00
7	735 00	14	2,800 00	4	325 00	2	51 00	5	260 00
84	10,199 93	292	30,860 41	75	4,657 75	189	6,610 87	111	4,226 05
112	16,581 98	109	11,954 92	81	5,392 46	154	7,124 77	149	5,378 41
8	1,075 00	7	775 00	6	470 00	4	190 00	9	356 00
19	2,284 00	57	4,730 81	16	1,223 33	14	549 00	16	509 67
16	1,591 99	35	3,208 20	13	958 33	11	555 99	9	397 83
4	440 00	2	275 00	4	266 33	1	45 00	3	110 00
160	15,343 16	93	6,419 71	152	7,981 79	43	2,147 17	36	1,330 00
422	66,011 09	721	190,448 23	288	21,594 21	546	32,926 02	366	15,681 42
200	20,388 49	202	21,280 50	123	7,167 49	71	3,619 83	63	2,545 99
1	100 00	5	225 00	.....	.....	1	55 00	.....	.....
164	17,583 12	26	1,897 33	126	7,403 24	94	4,007 16	21	939 00
3	500 00	.....	.....	2	200 00	2	160 00	2	95 00
87	13,181 53	40	6,029 67	49	3,927 16	48	3,016 00	37	1,644 58
6	492 00	14	1,114 00	8	305 00	.....	.....	5	132 00
13	2,258 33	6	775 00	7	560 00	3	145 00	5	228 33
17	1,601 33	7	727 67	11	525 00	2	51 67	5	192 50
68	8,786 17	44	5,301 33	37	2,900 33	46	2,718 33	29	1,118 30
40	4,912 00	84	7,408 50	29	1,843 50	54	2,202 00	22	769 00
20	1,940 66	62	5,642 00	22	1,170 50	30	1,300 00	8	265 00
4	791 66	10	1,000 00	2	110 00	4	120 00	3	90 00
43	4,122 49	7	540 00	41	2,206 00	24	1,022 87	10	272 00
5	1,235 00	29	4,700 00	6	538 00	12	690 00	6	317 00
82	11,411 34	59	8,352 66	38	3,474 00	155	11,170 50	48	2,081 33
15	2,015 00	17	1,557 00	10	850 00	17	947 00	14	504 67
43	6,681 14	31	4,830 07	26	1,823 00	16	1,004 00	13	566 50
18	1,838 00	5	471 67	11	764 16	16	935 00	9	375 00
54	5,114 31	28	2,457 99	46	2,623 34	26	1,273 70	27	977 33
44	5,988 65	94	16,793 98	45	3,831 33	54	2,685 34	33	1,302 00
157	34,594 40	158	18,730 29	145	14,753 47	114	8,349 23	21	959 32
40	5,261 83	36	4,487 37	39	2,838 14	49	2,825 66	29	1,083 32
2	180 00	2	60 00	3	80 00	.....	.....	1	32 00
449	62,202 48	327	46,135 13	254	20,126 72	609	35,631 01	298	12,858 44
9	921 66	1	300 00	4	309 32	2	126 66	.....	.....
15	1,664 00	20	1,490 00	9	741 00	12	845 00	7	255 33
2	150 00	.....	.....	1	75 00	.....	.....	1	25 00
34	4,050 00	11	938 33	4	350 00	10	590 00	4	163 50

TABLE IIh—MANUFACTURES—STATE—Concluded.

INDUSTRIES.	No. or Estab- lish- ments re- ported	Total amount paid in wages dur- ing year 1903.
Mattresses and pillows.....	24	\$190,425 81
Mouldings and frames.....	13	375,609 92
Oil cloth and window-shade cloth.....	4	84,290 62
Oil and grease.....	26	1,461,057 80
Paints and varnishes.....	55	642,992 25
Patterns and models.....	20	131,075 38
Pianos and other musical instruments.....	15	490,484 27
Pickles, preserves and sauces.....	19	152,081 56
Plating.....	11	154,859 36
Plumbing, steam and gas fitting supplies.....	27	715,081 57
Pottery and stoneware.....	89	4,611,428 76
Potters' supplies.....	7	71,691 15
Printing and binding.....	640	5,015,974 53
Printers' rollers.....	2	2,580 00
Pumps and water wheels.....	32	994,049 36
Regalia.....	8	93,252 16
Roofing (iron, steel and tin).....	29	183,854 52
Rubber goods.....	24	2,199,341 07
Rugs and carpet cleaning.....	6	49,828 16
Safes, vaults and locks.....	11	1,179,338 52
Salt.....	8	235,038 05
Sash, doors, lumber and interior finish.....	375	4,095,634 64
Slaughtering and meat packing.....	36	769,891 87
Soap, candles and tallow.....	47	770,227 85
Soda and mineral waters.....	91	200,688 56
Starch.....	2	8,450 94
Steel, iron and tin.....	94	24,057,613 68
Stencils, stamps and seals.....	16	51,557 00
Stone (cut, sawed and artificial).....	32	1,179,111 88
Stoves, ranges and furnaces.....	89	3,581,859 86
Strawboards and paper.....	49	1,803,887 54
Sucker rods.....	2	23,193 00
Tinware, sheet-iron and galvanized-iron ware.....	121	1,714,990 25
Tobacco (chewing and smoking).....	20	628,838 49
Tools.....	88	3,054,875 05
Trunks and valises.....	16	127,102 24
Umbrellas and parasols.....	5	33,058 00
Whips.....	3	24,913 87
Wire rods, wire cloth and wire goods.....	37	809,267 13
Miscellaneous.....	293	4,392,849 10
Totals.....	7,961	\$172,485,277 69

TABLE IIa—MANUFACTURES—STATE—Concluded.

OFFICE HELP.									
Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
19	\$2,025 00	37	\$4,926 00	12	\$745 00	20	\$819 00	7	\$281 00
27	2,543 00	38	3,615 00	15	1,008 00	25	980 00	8	315 00
6	905 00	4	400 00	2	100 00	3	202 00	3	93 33
54	7,597 81	94	8,234 16	37	3,220 32	271	16,712 50	58	2,587 42
88	12,695 48	213	28,377 47	63	5,190 67	115	4,765 33	83	3,361 00
4	463 00	.....	.....	6	210 00	6	150 00	4	118 00
21	3,291 33	15	2,393 33	13	902 50	11	409 50	11	447 00
16	1,390 25	40	3,678 00	14	922 33	13	643 00	7	262 00
3	441 67	4	870 83	3	175 00	3	105 00	3	93 00
27	3,405 97	44	4,403 67	23	1,665 34	26	1,528 67	23	870 82
146	16,538 33	278	35,476 40	76	5,783 01	72	3,520 00	60	2,138 50
6	617 33	.....	.....	5	326 66	.....	.....	2	88 00
346	39,101 12	219	20,898 32	285	15,677 78	390	18,659 21	190	6,368 68
41	4,449 16	1	100 00	1	40 00	.....	.....	26	1,175 00
7	901 00	21	2,015 00	20	1,394 99	81	3,326 00	.....	.....
16	1,545 66	7	615 00	9	521 00	14	552 00	15	560 00
40	6,054 32	111	14,139 54	15	833 00	7	495 00	11	414 00
4	320 00	.....	.....	38	3,237 32	133	8,281 59	104	5,367 83
22	5,000 07	73	15,800 00	4	178 00	2	40 00	2	50 00
10	991 66	13	1,270 00	18	1,644 66	62	3,288 33	23	1,005 33
245	23,517 82	121	10,138 08	8	665 66	14	738 00	6	220 00
35	4,673 83	177	10,870 16	219	12,754 12	126	7,392 17	82	3,156 84
78	14,012 32	185	21,774 15	83	5,853 80	40	1,738 50	11	644 15
27	2,144 66	50	2,776 00	36	3,166 01	91	4,574 66	46	1,585 50
2	148 33	6	465 00	17	934 00	3	130 00	.....	.....
467	77,029 33	40	5,046 65	1	85 00	.....	.....	2	70 00
5	347 00	3	160 00	85	7,256 02	766	48,141 11	100	5,052 55
50	4,941 84	22	2,452 61	2	120 00	4	140 00	3	87 00
125	14,928 16	193	21,634 66	28	1,744 50	26	2,318 00	13	664 33
70	9,998 25	18	3,115 00	84	6,539 33	130	6,125 74	81	3,081 20
3	265 00	.....	.....	43	3,744 66	33	2,068 00	31	1,196 16
91	10,724 51	77	7,241 90	2	180 00	1	50 00	.....	.....
19	2,673 46	33	3,035 00	73	4,502 61	79	4,152 31	77	3,037 12
113	14,465 74	65	6,803 63	14	1,474 21	13	581 18	8	322 33
13	999 00	16	1,375 00	60	4,252 34	122	6,110 66	59	2,361 15
8	503 00	16	1,698 00	10	625 00	10	390 00	4	136 00
6	576 67	18	1,349 00	5	325 00	6	178 00	3	103 00
43	5,852 33	32	2,989 66	3	200 00	2	100 00	2	75 00
253	29,118 65	277	25,087 64	23	1,774 67	60	3,232 50	39	1,713 83
7,138	\$898,161 04	8,581	1,052,873 16	194	12,313 71	234	12,255 69	171	6,069 62
7,138	\$898,161 04	8,581	1,052,873 16	4,755	\$330,589 28	7,415	\$390,913 33	3,714	\$147,812 80

TABLE IIi—MANUFACTURES—BY CITIES.

CITIES.	No. of Estab- lish- ments re- ported	Total amount paid in wages dur- ing year 1903.
Akron.....	162	\$5,172,473 41
Alliance.....	29	1,116,461 18
Ashtabula.....	29	324,744 40
Bellaire.....	27	1,240,400 16
Bellefontaine.....	30	160,577 21
Bowling Green.....	19	101,747 94
Bucyrus.....	30	416,923 55
Cambridge.....	27	777,414 75
Canal Dover.....	18	683,806 95
Canton.....	117	3,552,960 25
Chillicothe.....	48	345,328 17
Circleville.....	28	217,844 45
Conneaut.....	20	99,533 41
Coshocton.....	31	460,392 76
Defiance.....	32	343,761 67
Delaware.....	28	185,667 80
East Liverpool.....	65	2,912,095 04
Elyria.....	39	476,082 37
Findlay.....	66	569,653 71
Fostoria.....	38	471,784 25
Fremont.....	50	642,064 47
Galion.....	21	153,609 34
Gallipolis.....	21	102,413 59
Glenville.....	1	72,537 79
Greenville.....	22	57,302 10
Hamilton.....	105	3,757,425 28
Ironton.....	51	852,229 46
Kenton.....	33	254,488 11
Lancaster.....	40	712,114 21
Lima.....	79	1,166,562 55
Lorain.....	29	2,581,477 04
Mansfield.....	82	1,275,776 54
Marietta.....	73	603,394 44
Marion.....	43	893,764 50
Martin's Ferry.....	22	1,370,832 39
Massillon.....	48	1,579,423 77
Middletown.....	40	1,130,739 56
Mt. Vernon.....	22	483,581 42
Nelsonville.....	11	143,530 18
Newark.....	52	1,586,722 30
New Philadelphia.....	27	374,758 41
Niles.....	24	1,196,219 67
Norwalk.....	38	368,916 93
Norwood.....	8	96,232 00
Painesville.....	24	127,344 27
Piqua.....	64	1,048,870 37
Portsmouth.....	68	1,630,163 59
St. Marys.....	21	261,304 85
Salem.....	28	910,352 10
Sandusky.....	100	1,034,237 93
Sidney.....	31	345,277 00
Springfield.....	140	3,637,748 88
Steubenville.....	36	2,361,251 37
Tiffin.....	69	740,969 71
Troy.....	23	291,217 51
Urbana.....	34	260,534 90
Van Wert.....	16	69,208 00
Warren.....	57	874,614 49
Washington C. H.....	22	141,281 99
Wellston.....	12	284,216 65
Wellsville.....	17	550,245 36
Wooster.....	26	188,181 43
Xenia.....	29	454,353 04
Youngstown.....	79	8,219,488 81
Zanesville.....	89	1,779,704 59
Totals.....	2,810	\$66,296,336 25

TABLE II.—MANUFACTURES—BY CITIES.

OFFICE HELP.									
Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
163	\$21,135 49	171	\$21,426 94	120	\$9,075 32	265	\$14,438 59	182	\$8,415 49
26	3,530 33	11	850 00	16	914 50	30	1,405 75	13	424 00
15	1,589 26	6	822 00	15	718 00	4	140 50	6	190 00
31	4,816 46	9	765 00	13	768 33	31	2,347 00	7	265 00
17	1,598 00	16	1,280 00	8	323 50	3	110 00	3	100 00
10	941 00	5	334 00	12	637 36	3	133 35	2	63 25
16	1,918 33	22	2,323 33	16	759 68	20	1,151 10	17	609 00
22	2,942 55	15	1,025 55	13	763 67	25	1,714 00	10	547 00
10	1,083 33	10	1,538 40	9	467 50	28	1,656 00	13	511 00
127	14,985 37	147	17,000 00	82	6,454 00	155	8,781 24	99	3,871 08
26	2,902 32	24	1,800 00	18	819 50	9	361 00	7	212 50
17	1,559 33	10	934 00	12	624 00	3	112 00	4	115 00
10	1,127 00	2	160 00	9	615 00	5	219 00	4	148 00
24	2,909 33	90	15,936 89	23	886 00	7	260 00	14	412 00
23	2,198 18	18	1,462 66	12	624 00	10	484 02	5	222 16
19	1,875 16	11	1,405 60	16	849 00	4	100 53	4	127 83
87	10,869 83	107	10,895 61	44	3,713 66	32	1,803 00	35	1,300 50
31	4,373 33	22	1,832 00	24	1,553 16	16	776 17	21	772 00
38	3,707 83	24	1,913 00	29	1,734 34	8	307 00	9	294 33
24	2,768 33	16	1,600 00	23	1,197 63	20	645 00	18	574 00
34	4,418 33	83	10,283 67	30	1,599 00	20	845 00	29	857 64
17	1,388 33	11	1,065 00	11	499 16	4	200 00	5	158 00
15	1,025 84	8	805 00	8	287 33	2	80 00	2	63 33
4	740 00	3	900 00	3	190 00	...	...	...	...
9	742 00	2	185 00	4	191 66	...	...	...	...
101	14,204 79	137	22,235 60	64	4,777 16	107	5,732 06	58	2,230 15
40	4,947 82	19	1,615 00	27	1,659 85	13	870 00	12	352 00
10	1,156 33	39	2,615 24	14	778 16	18	1,527 16	6	242 83
21	2,032 00	40	3,148 66	9	928 00	13	563 00	9	268 00
48	5,231 17	25	2,615 23	35	2,400 08	40	1,958 16	11	479 00
43	3,990 34	11	1,100 00	36	2,354 42	88	4,467 16	16	734 00
82	10,215 02	144	14,319 00	61	4,064 42	59	3,204 16	58	2,223 06
64	6,625 67	29	2,746 00	34	1,853 32	18	634 33	7	260 00
62	6,663 51	36	3,327 12	30	1,886 33	42	2,388 00	28	1,162 50
11	1,849 49	8	854 66	6	621 66	28	1,824 38	9	328 09
59	6,381 50	35	3,648 65	23	1,633 33	33	2,795 83	23	-1,051 33
58	7,857 66	31	3,362 00	33	2,748 87	38	1,820 18	25	875 99
11	1,245 00	13	2,259 00	10	480 50	9	443 00	8	275 00
9	875 00	1	150 00	6	375 00	...	...	2	95 00
46	5,086 33	35	3,595 00	29	2,012 66	35	1,529 00	20	764 00
15	1,520 00	6	400 00	8	357 50	9	411 00	2	70 00
28	3,616 03	22	2,345 00	17	1,237 00	28	1,555 35	18	778 66
31	3,934 65	32	4,150 00	15	1,001 00	14	533 00	9	405 00
6	590 00	...	...	4	...	1	58 00	3	80 00
11	1,088 33	5	400 00	8	369 00	1	50 00	5	164 00
35	4,070 55	85	5,586 67	28	1,757 61	21	1,115 00	21	735 33
107	10,650 86	93	12,460 00	35	2,391 16	127	4,952 40	21	735 95
18	1,424 33	7	585 00	7	443 00	9	549 00	4	177 00
40	4,358 53	25	3,016 00	18	1,040 00	35	2,250 67	19	749 00
67	8,184 50	47	4,871 99	50	3,055 50	36	1,609 91	22	753 00
20	2,344 37	41	3,372 50	11	678 34	15	529 00	10	399 75
162	20,287 76	156	15,382 21	87	6,685 82	107	6,997 03	99	3,683 45
43	8,868 08	19	2,087 00	23	1,739 00	75	4,037 86	17	750 00
43	4,163 00	32	2,298 25	27	1,363 86	19	949 00	18	485 00
31	2,421 67	17	1,412 00	11	757 66	14	661 33	7	305 00
18	1,887 65	11	1,060 00	13	751 00	3	190 00	8	289 00
6	556 66	1	333 33	4	130 00	1	20 00	2	58 00
55	5,515 01	34	4,086 60	37	2,266 13	25	1,222 60	40	1,548 41
19	1,388 33	14	1,025 00	11	582 66	2	66 00	4	166 67
14	1,435 00	...	...	7	490 67	2	110 00	4	125 00
11	1,212 00	...	...	8	497 00	18	996 00	6	230 00
19	1,605 00	15	1,255 00	9	389 50	5	140 00	4	160 00
22	2,816 66	15	1,693 33	14	925 00	16	642 17	14	505 90
227	34,697 96	86	8,866 90	72	5,356 81	242	15,295 47	47	2,225 05
76	11,361 05	140	15,659 71	53	3,697 25	82	4,297 77	27	872 72
2,604	\$320,932 67	2,354	\$258,806 30	1,560	\$102,810 11	2,153	\$117,095 93	1,233	\$48,059 28

TABLE III.

GIVING BY INDUSTRIES THE NUMBER OF ESTABLISH-
MENTS REPORTED, NUMBER OF MALES AND
FEMALES EMPLOYED EACH MONTH, AND
THE MONTHLY AVERAGE OF MALES
AND FEMALES FOR THE
YEAR 1903.

TABLE IIIa—MANUFACTURES—CLEVELAND.

Industries.	No. of establishments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Advertising novelties and signs.....	2	5	.....	5	.....	6	.....	7	.....	7	.....
Awnings, tents and flags.....	4	33	30	39	35	56	43	68	57	79	66
Bags (paper and burlap).....	4	248	306	245	304	239	304	249	311	255	318
Bicycles, bicycle sundries and automobiles.....	11	1,396	29	1,473	31	1,562	30	1,584	33	1,590	30
Billiard tables, bar & store fixtures.....	4	125	.....	125	.....	127	.....	127	.....	127	.....
Boilers, engines and tanks.....	11	2,232	.....	2,404	.....	2,325	.....	2,250	.....	2,264	.....
Boots and shoes.....	3	307	234	307	234	307	234	307	234	307	234
Boxes (paper).....	4	61	261	61	274	61	266	61	270	60	268
Boxes (wooden).....	14	159	35	385	35	389	35	418	36	407	36
Bread and other bakery products.....	19	534	167	531	163	540	157	542	155	552	161
Brick and tile.....	14	428	.....	413	.....	445	.....	417	.....	307	.....
Brooms and brushes.....	5	91	57	91	54	89	56	85	56	90	59
Buttons (pearl).....	2	20	52	20	52	20	52	20	57	20	47
Carriages and wagons.....	27	318	.....	325	.....	342	.....	359	.....	367	.....
Carriage and wagon materials.....	2	52	.....	52	4	52	4	52	4	52	4
Chewing gum.....	2	11	285	11	290	11	296	12	294	12	295
Cigars.....	41	330	513	341	536	353	552	337	558	332	617
Clothing.....	166	1,618	2,488	1,802	2,573	2,173	2,746	2,354	2,748	2,321	2,672
Coffee, baking powder and spices.....	2	9	4	9	5	9	5	9	7	9	7
Coffins and burial cases.....	2	105	41	105	41	105	41	105	40	105	41
Confectionery.....	9	207	202	204	197	208	206	208	201	204	198
Cooperage.....	5	283	1	228	1	300	1	297	1	291	1
Copper and brass goods.....	18	567	18	585	18	618	19	621	19	542	23
Cotton and woolen goods(knit and woven).....	9	391	1,437	413	1,459	394	1,456	385	1,457	377	1,440
Dairy products.....	3	85	5	84	5	84	5	84	5	84	5
Drugs, chemicals and druggists' sundries.....	14	603	4	571	4	574	4	625	4	624	4
Electrical goods and supplies.....	26	2,224	447	2,190	479	2,256	498	2,358	482	2,381	480
Elevators and hoisting machinery.....	2	67	.....	63	.....	74	.....	61	.....	67	.....
Extracts, toilet articles and perfumery.....	3	14	22	14	22	14	22	15	31	15	33
Fertilizers.....	3	141	.....	141	.....	162	.....	166	.....	171	.....
Flouring mill products.....	3	57	1	57	1	57	1	58	1	57	1
Foundry and machine shop products.....	67	9,947	437	10,119	463	10,373	465	10,187	461	10,323	466
Furniture.....	13	193	6	208	5	222	5	239	5	232	5
Gas and electricity.....	3	767	.....	727	.....	759	.....	736	.....	749	.....
Glass and glassware.....	3	29	2	29	2	29	3	31	3	31	3
Gun powder and other explosives.....	2	80	20	81	20	83	20	84	23	84	25
Hardware.....	14	2,017	211	2,024	232	2,034	238	1,987	233	1,994	238
Harness and saddlery.....	10	32	1	32	1	35	1	34	1	34	1
Hats, caps and furnishings.....	7	88	126	63	126	63	127	63	122	59	122
Ice (artificial).....	4	24	1	27	1	34	1	42	1	69	2
Inks.....	2	16	2	16	2	16	2	16	2	16	2
Iron (structural and architectural).....	13	1,349	.....	1,321	.....	1,379	.....	1,412	.....	1,394	.....
Jewelry and watches.....	3	8	.....	8	.....	8	.....	9	.....	9	.....
Leather and leather goods.....	4	81	.....	83	.....	79	.....	77	.....	76	.....
Lime, sand, cement and plaster.....	2	22	.....	20	.....	25	.....	31	.....	36	.....
Liquors (malt).....	9	539	1	540	1	547	1	567	1	586	2
Lithographing, engraving and electrotyping.....	9	152	4	195	4	193	4	194	4	206	4
Macaroni.....	3	28	37	23	37	28	37	28	37	28	37
Machinery.....	44	5,228	32	5,429	32	5,597	32	5,692	32	5,900	32
Marble and granite.....	8	188	.....	205	.....	209	.....	207	.....	215	.....
Mattresses and pillows.....	3	34	47	36	50	37	49	47	54	44	58
Mouldings and frames.....	4	320	1	326	1	343	1	345	1	325	1
Oil and grease.....	8	1,485	70	1,394	65	1,360	64	1,355	61	1,414	58
Paints and varnishes.....	16	583	100	610	109	626	133	635	136	629	110
Patterns and models.....	3	80	1	83	1	93	2	88	2	81	2
Pianos and other musical instruments.....	2	68	1	69	1	67	1	68	1	70	1
Plating.....	2	19	.....	19	.....	19	.....	19	.....	19	.....
Plumbing, steam & gas fitting supplies.....	11	342	6	339	6	347	6	343	6	348	6
Printing and binding.....	52	946	351	943	356	945	355	938	344	955	349
Pumps and water wheels.....	2	6	.....	6	.....	10	.....	9	.....	10	.....
Roofing, (iron, steel and tin).....	4	29	4	30	4	32	4	28	4	29	4
Rubber goods.....	3	3	13	3	13	3	13	3	14	3	14
Rugs and carpet cleaning.....	2	42	13	38	13	49	15	65	28	72	32
Salt.....	2	239	76	210	72	213	71	227	62	232	57
Sash, doors, lumber and interior finish.....	23	1,303	1	1,319	1	1,210	1	1,321	1	1,419	1
Slaughtering and meat packing.....	8	624	18	624	18	624	18	624	18	624	18
Soap, candles and tallow.....	6	40	2	40	2	40	2	40	2	40	2
Soda and mineral waters.....	10	49	.....	49	.....	49	.....	53	.....	65	2

TABLE IIIa—MANUFACTURES—CLEVELAND.

June.		July.		August.		September.		October.		November.		December.		Monthly Av'ge.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Male.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7	83	6	66	6	43	8	48	9	51	10	39	9	29	7	54
253	320	257	311	52	314	252	316	250	320	257	317	255	327	251	314
1,568	36	1,309	33	1,257	32	1,268	34	1,383	34	1,519	44	1,639	47	1,462	34
129	129	129	129	129	129	129	129	129	129	126	126	126	126	127	127
2,339	2,095	2,095	1,685	1,685	1,623	1,623	1,356	1,449	1,449	1,449	1,449	1,499	1,499	1,960	1,960
307	234	307	234	307	234	307	234	307	234	307	234	307	234	307	234
62	273	61	267	60	265	61	264	60	261	62	258	60	264	61	266
424	35	420	35	416	34	427	35	429	36	413	36	405	36	408	35
549	164	545	169	562	177	568	180	564	185	550	180	547	172	549	169
455	533	592	592	592	591	591	576	519	519	438	438	438	438	476	476
90	56	88	55	87	59	82	61	88	54	85	52	82	51	87	56
20	47	18	52	19	55	20	54	19	52	19	52	19	52	19	52
377	372	372	366	366	360	360	350	338	338	330	330	330	330	350	350
52	4	52	4	52	4	52	4	52	4	52	4	52	4	52	4
12	330	12	337	12	380	12	331	12	311	12	289	12	282	12	310
336	646	339	711	342	788	349	768	346	765	351	802	345	749	342	663
2,098	2,647	1,936	2,685	2,147	2,783	2,410	2,953	2,555	3,048	2,480	2,969	1,950	2,641	2,154	2,746
9	8	12	8	11	7	9	7	10	6	11	6	9	6	10	6
105	41	105	41	105	41	105	39	105	40	105	40	105	40	105	40
204	208	207	207	207	210	202	206	204	218	208	231	207	225	206	209
290	1	288	1	288	1	299	1	297	1	296	1	295	1	288	1
564	22	626	20	638	20	621	19	611	19	614	18	586	19	599	20
375	1,413	403	1,522	415	1,515	400	1,432	377	1,417	376	1,388	343	1,413	387	1,446
85	5	86	5	85	5	85	5	85	5	86	5	76	5	84	5
648	4	599	4	610	4	602	4	616	4	657	4	664	4	616	4
2,267	505	2,351	570	2,237	617	2,176	596	2,127	639	1,930	638	1,849	574	2,196	544
64	64	64	61	61	60	60	61	61	61	61	61	56	61	63	63
17	41	17	26	17	26	14	24	14	24	14	24	14	24	15	27
162	162	162	232	232	193	143	143	132	132	132	133	133	133	162	162
58	1	58	1	58	1	57	1	58	1	57	1	57	1	57	1
10,336	447	10,145	435	10,103	439	10,157	442	9,843	449	9,380	443	8,944	437	9,989	449
251	6	234	6	242	6	259	6	268	7	266	7	275	7	241	6
804	803	803	794	803	815	861	861	792	792	787	787	787	787	783	783
34	3	34	3	32	3	37	3	38	3	38	3	33	3	33	3
84	27	87	28	93	28	92	30	92	29	90	28	92	20	86	25
2,009	217	1,974	210	1,999	209	2,009	214	1,999	220	1,995	220	1,961	220	2,000	222
34	1	34	1	33	1	32	1	32	1	32	1	28	1	33	1
58	68	84	69	109	94	109	95	84	97	59	113	59	120	75	107
66	2	130	2	116	1	94	1	62	1	27	1	31	1	60	1
16	1	16	1	16	1	16	1	16	2	14	1	14	1	16	1
1,432	1,463	1,495	1,495	1,494	1,494	1,473	1,473	1,378	1,378	1,319	1,319	1,319	1,319	1,409	1,409
9	10	10	10	10	24	25	25	25	25	25	25	28	28	14	14
75	77	84	84	83	83	82	82	86	86	86	86	86	86	81	81
37	37	39	39	43	43	45	45	32	32	32	32	24	24	33	33
608	2	621	4	622	4	604	2	586	3	556	3	553	3	577	2
197	4	197	4	201	4	197	4	199	4	197	4	206	4	194	4
28	37	28	37	28	37	28	37	28	37	28	37	28	37	28	37
6,061	34	6,207	33	6,114	32	5,897	33	5,583	31	4,944	30	4,601	31	5,599	32
201	201	208	208	137	137	137	137	83	83	104	83	192	83	179	83
47	51	42	51	41	46	44	51	43	51	41	43	39	43	41	50
315	1	317	1	338	1	346	1	353	1	343	1	327	1	333	1
1,526	52	1,664	49	1,691	45	1,748	57	1,781	72	1,705	77	1,607	68	1,561	62
621	94	572	85	590	82	581	82	618	80	609	84	602	85	606	98
70	2	82	2	80	2	82	2	83	2	76	1	60	1	81	1
2	1	75	2	71	2	76	2	70	2	67	2	71	2	70	2
19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
323	6	318	6	323	6	327	6	319	6	321	6	323	6	331	6
949	340	945	345	942	348	940	349	957	346	968	343	973	344	950	347
10	9	9	9	9	10	10	10	10	10	9	9	9	9	9	9
26	3	31	4	38	4	36	4	41	4	38	4	38	4	32	4
3	14	3	12	3	12	3	13	3	13	3	13	3	13	3	13
60	32	54	28	53	26	54	25	49	27	49	23	45	19	53	23
221	55	248	59	230	55	194	53	210	53	260	54	287	60	230	61
1,524	1	1,504	1	1,476	1	1,520	1	1,468	1	1,433	1	1,238	1	1,395	1
624	18	624	18	624	18	624	18	624	18	624	18	624	18	624	18
40	2	40	2	40	2	40	2	40	2	40	2	40	2	40	2
69	3	76	3	76	3	69	2	56	2	56	2	59	....	60	1

TABLE IIIa—MANUFACTURES—CLEVELAND—Concluded.

Industries.	No. of establishments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Steel, iron and tin.....	8	6,502	56	6,520	61	6,948	60	7,023	69	7,233	71
Stencils, stamps and seals.....	5	14	1	14	1	14	1	14	1	14	1
Stone (cut, sawed and artificial).....	5	973	....	803	....	1,090	....	1,759	....	1,939	....
Stoves, ranges and furnaces.....	13	1,774	14	1,911	13	2,025	14	2,014	11	1,949	11
Tinware, sheet iron & galvanized iron-ware.....	18	555	20	554	19	639	20	646	19	670	23
Tools.....	14	1,203	70	1,216	75	1,236	75	1,260	75	1,284	74
Trunks and valises.....	6	73	15	76	14	81	15	99	17	97	22
Umbrellas and parasols.....	3	11	16	13	41	16	51	17	49	13	46
Wire rods, wire cloth and wire goods....	14	860	83	867	81	889	80	918	85	922	99
Miscellaneous.....	29	1,869	41	1,913	39	1,950	40	1,982	42	1,986	40
Totals and averages.....	930	53,755	8,539	54,479	8,799	56,620	9,060	57,817	9,088	58,608	9,086

TABLE IIIa—MANUFACTURES—CLEVELAND—Concluded.

June.		July.		August.		September.		October.		November.		December.		Monthly Av'ge.	
Males.	Females.	Males.	Females.	Male.	Females.	Male.	Females.	Males.	Females.	Male.	Females.	Male.	Females.	Males.	Females.
7,048	98	6,999	111	6,939	129	6,790	97	6,749	114	6,495	99	7,069	99	6,860	89
14	1	14	1	14	1	14	1	14	1	14	1	14	1	14	1
2,014	....	1,989	....	2,159	....	2,102	....	2,003	....	1,442	....	1,297	....	1,631	....
1,850	9	1,641	9	1,758	12	1,734	11	1,687	11	1,608	11	1,538	11	1,791	11
661	21	718	19	713	36	711	67	709	97	707	106	646	106	661	46
1,318	72	1,329	72	1,321	72	1,320	72	1,314	72	1,301	72	1,319	72	1,285	73
102	17	109	20	114	20	113	19	114	22	116	23	104	21	100	19
14	40	14	36	20	35	21	40	18	42	17	40	15	28	16	39
864	94	859	92	863	99	866	96	872	97	873	93	846	87	875	90
1,963	39	1,990	40	1,951	39	1,990	40	2,032	40	2,075	39	2,023	39	1,977	40
58,666	9,033	58,190	9,268	58,141	9,518	57,891	9,565	56,899	9,749	54,487	9,652	52,979	9,197	56,544	9,213

TABLE IIIb—MANUFACTURES—COLUMBUS.

Industries.	No. of establishments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Awnings, tents and flags.....	4	5	4	7	7	10	8	15	14	15	17
Bicycles, bicycle sundries and automobiles.....	5	61	2	73	2	108	2	125	2	130	2
Billiard tables, bar and store fixtures.....	5	215	6	211	6	202	6	192	6	192	6
Boilers, engines and tanks.....	6	255	...	257	...	270	...	260	...	271	...
Boots and shoes.....	1,648	1,201	1,627	1,193	1,632	1,194	1,617	1,185	1,629	1,187	...
Boxes (paper).....	31	99	31	99	31	99	31	104	31	104	...
Boxes (wooden).....	70	15	70	15	66	15	62	15	59	15	...
Bread and other bakery products.....	175	74	174	73	174	77	186	74	186	77	...
Brick and tile.....	51	...	51	...	88	...	105	...	118	...	...
Brooms and brushes.....	13	3	15	4	14	4	13	4	13	4	...
Carriages and wagons.....	15	1,028	23	1,062	30	1,130	32	1,136	42	1,099	36
Carriage and wagon materials.....	104	207	278	20	269	20	265	20	258	20	...
Cigars.....	19	104	207	104	204	102	199	109	203	108	205
Clothing.....	46	222	266	223	279	237	288	242	294	242	299
Coffee, baking powder and spices.....	3	40	11	40	11	40	11	40	12	40	13
Confectionery.....	4	31	55	31	55	34	65	42	77	32	80
Copper and brass goods.....	2	34	...	34	...	36	...	36	...	38	...
Cotton & woolen goods (knit & woven).....	2	18	50	19	53	21	56	21	58	21	56
Dairy products.....	3	71	...	76	...	79	...	81	...	73	...
Drugs, chemicals and druggists' sundries.....	8	189	150	189	151	190	149	188	148	189	149
Extracts, toilet articles and perfumery.....	2	2	1	2	1	2	1	3	2	3	2
Flouring mill products.....	5	32	...	32	...	31	...	39	...	40	...
Foundry and machine shop products ..	22	2,402	10	2,363	10	2,453	10	2,528	11	2,547	13
Furniture.....	5	127	31	130	32	135	31	157	33	167	32
Furs.....	2	5	6	3	6	3	10	3	9	3	9
Gas and electricity.....	2	150	...	152	...	147	...	153	...	153	...
Glass and glassware.....	3	555	91	556	85	545	91	553	91	552	91
Gloves and mittens.....	3	48	64	51	61	54	64	52	64	54	56
Harness and saddlery.....	8	83	40	83	40	83	40	84	40	84	40
Hats, caps and furnishings.....	5	11	33	17	77	17	86	17	98	16	81
Ice (artificial).....	3	70	...	71	...	79	...	76	...	82	...
Iron (structural and architectural).....	4	101	...	85	...	79	...	76	...	95	...
Jewelry and watches.....	3	23	3	23	3	21	3	19	2	19	2
Leather and leather goods.....	2	60	...	60	...	60	...	60	...	60	...
Lighting apparatuses.....	5	89	48	89	48	92	48	97	48	93	48
Lime, sand, cement and plaster.....	7	105	...	92	...	125	...	136	...	97	...
Liquors (malt).....	4	420	...	409	...	422	...	250	...	498	...
Lithographing, engraving and electrotyping.....	5	94	3	95	3	94	3	94	3	93	3
Machinery.....	4	1,534	...	1,536	...	1,514	...	1,471	...	1,439	...
Paints and varnishes.....	4	40	5	40	5	41	5	41	6	43	8
Printing and binding.....	29	382	144	380	144	386	143	356	143	358	143
Roofing, (iron, steel and tin).....	5	26	...	26	...	34	...	45	...	54	...
Rugs and carpet cleaning.....	4	27	14	22	11	35	25	34	23	37	30
Sash, doors, lumber and interior finish ..	13	226	...	227	...	234	...	250	...	258	...
Slaughtering and meat packing.....	2	18	...	17	...	17	...	17	...	16	...
Soap, candles and tallow.....	3	13	5	13	5	13	5	13	5	13	5
Soda and mineral waters.....	2	15	...	15	...	15	...	17	...	23	...
Starch.....	2	3	12	3	12	3	12	36	7	36	7
Steel, iron and tin.....	4	1,086	...	1,082	...	1,269	...	1,201	...	1,288	...
Stone (cut, sawed and artificial).....	2	15	...	14	...	26	...	50	...	71	...
Stoves, ranges and furnaces.....	10	213	6	192	5	192	7	208	8	209	8
Tinware, sheet iron & galvanized iron-ware.....	10	197	...	189	...	200	...	196	...	203	...
Tools.....	6	165	...	168	...	170	...	166	...	168	...
Trunks and valises.....	3	34	3	34	3	33	3	34	3	34	3
Wire rods, wire cloth and wire goods ..	4	45	...	46	...	48	...	50	...	45	...
Miscellaneous.....	32	595	352	591	367	623	376	667	402	626	436
Totals and averages.....	394	13,538	3,057	13,480	3,120	14,028	3,188	14,015	3,256	14,321	3,287

TABLE IIIb—MANUFACTURES—COLUMBUS.

June.		July.		August.		September.		October.		November.		December.		Monthly Av'ge.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
15	17	15	15	11	13	9	8	8	8	6	7	5	6	10	10
135	2	125	2	100	2	90	2	89	2	84	2	74	2	100	2
187	6	184	6	186	6	202	6	207	6	217	6	217	6	201	6
252	...	257	...	257	...	243	...	225	...	220	...	210	...	248	...
1,672	1,217	1,698	1,226	1,705	1,237	1,703	1,230	1,698	1,221	1,701	1,232	1,713	1,240	1,670	1,214
33	104	31	104	34	104	34	110	36	114	36	114	36	114	33	106
54	15	61	15	64	15	64	15	70	15	65	15	57	15	64	15
191	80	189	75	189	76	190	79	189	82	190	77	188	77	185	77
143	...	144	...	137	...	145	...	157	...	147	...	59	...	112	...
13	5	13	4	13	4	13	3	12	...	12	...	11	3	13	3
1,107	31	985	33	896	30	825	27	801	28	824	20	821	21	976	29
246	20	220	20	206	18	201	15	207	13	221	12	265	20	242	18
106	205	104	209	107	211	106	209	106	207	107	203	101	201	105	205
242	308	225	287	206	269	239	297	244	297	243	298	241	299	234	290
40	11	40	11	40	11	40	11	40	13	40	13	40	13	40	12
46	89	51	89	49	85	67	98	79	109	91	114	85	107	53	85
38	...	36	...	36	...	40	...	40	...	39	...	36	...	37	...
21	64	21	68	21	59	21	59	18	55	4	41	4	38	18	55
77	...	72	...	71	...	64	...	68	...	71	...	67	...	73	...
189	147	188	147	183	149	188	153	184	155	184	153	156	151	185	150
3	2	3	1	2	1	2	1	3	2	3	2	2	...	2	1
39	...	39	...	49	...	39	...	41	...	38	...	39	...	38	...
2,581	14	2,457	9	2,535	8	2,586	11	2,293	10	1,988	9	1,350	7	2,340	10
180	33	169	33	169	33	162	32	159	35	165	36	169	42	157	34
5	9	5	9	5	9	5	16	5	19	5	19	5	19	4	12
158	...	168	...	168	...	168	...	165	...	162	...	165	...	159	...
547	91	457	71	454	71	550	91	553	91	559	91	566	91	537	87
50	59	32	52	42	49	29	36	33	38	29	33	28	31	42	51
82	35	82	35	82	35	84	40	83	40	82	40	82	40	83	39
12	40	12	24	17	72	17	87	17	93	15	57	14	46	15	66
93	...	103	...	90	...	90	...	74	...	71	...	101	...	83	...
106	...	108	...	113	...	113	...	112	...	110	...	105	...	100	...
17	2	14	...	14	...	15	...	17	2	20	3	23	4	19	2
60	...	60	...	55	...	55	...	55	...	55	...	55	...	58	...
91	42	86	40	83	35	89	35	90	35	98	75	97	75	91	48
97	1	80	1	87	1	99	1	102	1	86	1	49	...	96	1
545	...	574	...	541	...	506	...	500	...	470	...	453	...	466	...
96	3	94	3	94	3	93	3	92	3	93	3	94	3	94	3
1,462	...	1,475	...	1,463	...	1,433	...	1,422	...	1,358	...	1,332	...	1,453	...
42	5	33	3	34	3	34	3	35	3	34	3	41	4	38	4
357	142	352	133	404	135	409	149	410	145	407	148	413	154	385	144
61	...	60	...	57	...	61	...	60	...	59	...	28	...	48	...
36	22	33	21	31	20	31	20	32	21	26	16	28	16	31	20
273	...	276	...	271	...	271	...	265	...	250	...	242	...	254	...
16	...	16	...	16	...	18	...	19	...	20	...	20	...	17	...
13	5	13	5	13	5	13	5	13	5	13	5	13	5	13	5
25	...	24	...	23	...	20	...	17	...	17	...	16	...	19	...
36	10	36	10	38	12	38	12	40	12	41	12	34	12	29	11
1,438	...	1,211	...	1,304	...	811	...	491	...	409	...	375	...	997	...
65	...	62	...	75	...	81	...	85	...	55	...	22	...	52	...
232	9	247	12	251	12	259	12	260	11	248	11	233	8	229	9
223	...	214	...	208	...	218	...	220	...	217	...	215	...	208	...
169	...	171	...	174	...	171	...	171	...	171	...	167	...	169	...
35	3	35	3	35	3	35	3	36	3	36	3	36	3	35	3
48	...	46	...	47	...	46	...	36	...	36	...	38	...	44	...
663	450	666	437	826	398	836	428	650	447	637	423	630	416	667	411
14,763	3,298	14,172	3,216	14,381	3,194	13,971	3,307	13,134	3,343	12,585	3,300	11,666	3,289	13,671	3,238

TABLE IIIc—MANUFACTURES—CINCINNATI.

Industries.	No. of Establish- ments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Advertising novelties and signs.....	3	76	80	77	81	78	88	79	89	78	88
Awnings, tents and flags.....	7	74	84	74	88	78	121	78	123	96	146
Bags (paper and burlap).....	5	84	87	86	89	85	90	87	89	86	88
Bicycles, bicycle sundries and automobiles	2	7	.....	7	.....	7	.....	7	.....	7	.....
Billiard tables, bar and store fixtures.....	11	386	2	395	2	417	2	421	2	407	2
Boilers, engines and tanks.....	9	362	.....	368	.....	387	.....	397	.....	395	.....
Boots and shoes.....	27	4,147	2,804	4 118	2,792	4,096	2,773	3,986	2,759	4,002	2,758
Boxes (paper).....	7	78	426	78	426	78	426	78	429	78	427
Boxes (wooden).....	11	312	103	304	89	308	101	307	103	314	101
Bread and other bakery products.....	26	669	387	685	451	704	445	686	429	697	426
Brick and tile.....	9	38	.....	43	.....	111	.....	198	.....	222	.....
Brooms and brushes.....	9	112	7	112	7	113	7	115	7	116	7
Bungs.....	3	151	.....	148	.....	146	.....	144	.....	144	.....
Carriages and wagons.....	51	1,860	101	1,968	107	2,066	111	2,138	116	2,155	114
Carriage and wagon materials.....	16	509	8	516	8	521	8	536	8	563	9
Cigars.....	57	1,101	1,803	1,100	1,834	1,098	1,849	1,107	1,865	1,138	1,855
Clothing.....	187	2,739	3,725	2,800	3,876	2,927	4,051	2,876	4,026	2,867	3,832
Coffee, baking powder and spices.....	8	64	57	65	58	65	69	66	72	65	70
Coffins and burial cases.....	4	516	73	537	75	532	75	528	79	524	78
Confectionery.....	14	260	248	244	262	239	250	242	255	250	261
Cooperage.....	10	630	.....	688	.....	708	.....	728	.....	644	.....
Copper and brass goods.....	21	1,053	66	1,053	67	1,070	65	1,045	62	1,055	62
Cotton & woolen goods (knit & woven)...	8	114	288	114	288	118	288	117	280	73	251
Drugs, chemicals and druggists' sundries...	20	216	65	218	65	223	65	221	65	220	65
Electrical goods and supplies.....	12	935	45	893	46	944	46	907	46	934	39
Elevators and hoisting machinery.....	5	172	.....	174	.....	173	.....	172	.....	165	.....
Extracts, toilet articles and perfumery...	5	17	10	17	10	17	10	17	12	17	12
Fertilizers.....	2	70	.....	72	.....	95	.....	93	.....	68	.....
Flouring mill products.....	2	27	5	27	5	27	5	27	5	27	5
Foundry and machine shop products.....	28	2,016	1	2,028	1	2,065	1	2,086	1	2,056	1
Furniture.....	47	2,062	168	2,082	169	2,116	182	2,120	178	2,120	183
Glass and glassware.....	6	654	103	656	103	666	103	666	116	661	112
Hardware.....	4	225	1	219	1	230	2	235	2	229	2
Harness and saddlery.....	11	387	6	396	7	395	7	390	6	400	5
Hats, caps and furnishings.....	14	97	477	102	588	101	575	102	521	100	479
Ice (artificial).....	6	33	.....	34	.....	41	.....	47	.....	51	.....
Inks.....	3	126	.....	126	.....	126	.....	126	.....	126	.....
Iron (structural and architectural).....	8	565	.....	552	.....	547	.....	581	.....	608	.....
Jewelry and watches.....	14	156	26	156	26	156	26	156	26	155	26
Leather and leather goods.....	14	1,078	3	1,091	3	1,104	3	1,089	3	1,110	3
Liquors (distilled).....	15	427	259	426	257	434	247	467	252	465	252
Liquors (malt).....	21	1,244	1	1,248	1	1,278	1	1,303	2	1,340	2
Lithographing, engraving and electrotyp- ing.....	20	777	52	784	46	788	45	792	45	785	46
Machinery.....	57	2,424	1	2,447	1	2,484	1	2,515	1	2,565	1
Malt.....	3	68	.....	68	.....	68	.....	63	.....	63	.....
Marble and granite.....	6	192	.....	191	.....	192	.....	194	.....	195	.....
Mattresses and pillows.....	6	76	54	76	61	82	79	89	75	91	91
Mouldings and frames.....	9	432	9	483	13	506	15	515	22	516	22
Oil cloth and window shade cloth.....	2	34	38	34	38	34	38	34	38	34	38
Oil and grease.....	8	211	.....	212	.....	213	.....	213	.....	207	.....
Paints and varnishes.....	14	292	5	293	5	304	5	301	5	308	5
Patterns and models.....	8	65	8	67	8	64	8	55	6	61	6
Pianos and other musical instruments...	3	357	7	352	7	354	7	345	7	351	7
Pickles, preserves and sauces.....	6	137	172	128	159	131	174	136	143	121	176
Plating.....	2	212	3	212	3	212	3	202	3	202	2
Plumbing, steam and gas fitting supplies	6	394	1	390	4	393	1	410	4	395	4
Pottery and stoneware.....	2	31	29	31	29	31	29	31	29	47	31
Printing and binding.....	88	2,278	1,356	2,260	1,365	2,198	1,294	2,243	1,325	2,266	1,370
Printers' rollers.....	2	5	.....	5	.....	5	.....	5	.....	5	.....
Pumps and water wheels.....	4	542	9	576	9	592	9	600	9	605	12
Regalia.....	8	47	204	47	196	56	225	60	260	60	263
Roofing (iron, steel and tin).....	7	73	2	77	2	76	2	76	4	75	4
Safes, vaults and locks.....	6	582	.....	585	.....	582	.....	583	.....	579	.....
Sash, doors, lumber and interior finish...	23	956	.....	950	.....	968	.....	986	.....	952	.....
Slaughtering and meat packing.....	17	801	20	719	18	682	16	667	14	667	16
Soap, candles and tallow.....	18	1,199	598	1,206	596	1,225	609	1,209	615	1,135	591
Soda and mineral waters.....	12	74	.....	74	.....	76	.....	83	.....	90	.....
Stencils, stamps and seals.....	5	56	7	56	7	56	7	56	7	56	7
Stone (cut, sawed and artificial).....	4	140	.....	105	.....	139	.....	173	.....	244	.....
Stoves, ranges and furnaces.....	13	705	4	688	4	696	4	669	4	682	2
Tinware, sheet iron & galvanized ironware	22	531	91	513	90	549	109	580	111	574	111

TABLE IIIc—MANUFACTURES—CINCINNATI.

June.		July.		August.		September.		October.		November.		December.		Monthly Av'ge.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
77	89	76	87	76	81	77	83	77	83	77	83	77	83	77	85
93	145	91	142	85	129	81	123	74	114	78	121	82	114	82	121
89	91	90	91	90	91	89	93	91	91	89	92	90	91	88	90
7	....	7	....	7	....	7	....	7	....	7	....	7	....	7	....
395	2	412	2	407	2	419	2	412	2	419	2	418	2	409	2
384	....	420	....	441	....	441	....	437	....	395	....	380	....	401	....
3,995	2,773	4,095	2,835	4,083	2,855	4,095	2,821	4,046	2,779	4,026	2,752	4,078	2,802	4,064	2,792
78	425	78	425	78	425	78	430	81	417	81	437	81	437	79	427
312	104	315	101	283	103	300	102	328	104	323	107	319	109	310	102
714	438	731	416	730	477	742	504	735	507	775	502	725	473	716	455
223	....	223	....	204	....	204	....	169	....	51	....	40	....	144	....
114	7	111	7	109	7	111	7	114	10	111	9	110	6	112	7
152	....	149	....	145	....	138	....	141	....	139	....	138	....	145	....
2,131	110	1,988	102	1,740	87	1,658	87	1,645	88	1,632	87	1,701	92	1,890	100
572	8	574	8	553	7	533	5	489	5	481	7	540	7	532	7
1,123	1,882	1,133	1,868	1,095	1,857	1,116	1,866	1,184	1,897	1,139	1,912	1,128	1,858	1,122	1,862
2,784	3,783	2,680	3,679	2,745	3,718	2,884	3,930	2,896	3,943	2,837	3,930	2,669	3,526	2,809	3,835
63	67	60	66	60	67	62	64	65	65	67	75	66	73	64	67
513	77	523	77	547	80	556	77	557	80	493	83	546	83	531	78
270	267	272	268	280	305	319	337	325	347	324	346	309	328	278	289
606	....	561	....	601	....	603	....	650	....	607	....	659	....	646	....
1,034	54	1,032	53	1,023	55	1,025	55	1,009	57	936	52	890	50	1,019	58
73	259	108	289	107	283	107	290	108	288	108	288	104	280	104	281
220	65	223	65	224	65	222	65	223	65	223	65	223	65	221	65
932	42	935	45	964	48	918	50	829	45	785	46	808	41	899	45
165	....	164	....	160	....	165	....	159	....	151	....	155	....	165	....
17	12	17	12	17	12	17	12	17	12	17	10	17	10	17	11
68	....	78	....	91	....	145	....	107	....	98	....	86	....	89	....
27	5	27	5	27	5	27	5	27	5	27	5	27	5	27	5
2,059	1	2,009	1	1,980	1	1,903	1	1,785	1	1,702	1	1,640	1	1,944	1
2,094	187	2,034	191	2,097	197	2,136	199	2,154	197	2,126	180	2,077	175	2,102	184
615	93	618	93	667	117	671	115	622	93	607	87	607	87	643	102
227	1	197	1	180	1	205	1	222	1	213	1	215	1	216	1
404	5	400	7	401	7	407	5	412	6	400	7	396	5	399	6
98	357	99	374	100	520	99	600	97	469	98	377	99	421	99	480
61	....	63	....	63	....	60	....	51	....	38	....	32	....	48	....
126	....	126	....	126	....	126	....	126	....	126	....	126	....	126	....
622	....	715	....	737	....	746	....	736	....	698	....	624	....	644	....
156	26	157	26	158	26	159	26	162	26	162	25	162	25	158	26
1,124	3	1,148	4	1,145	4	1,132	4	1,113	4	1,086	4	1,083	4	1,109	3
435	332	431	338	426	328	428	323	435	323	451	298	436	253	438	289
1,380	2	1,405	2	1,388	2	1,351	2	1,309	2	1,265	1	1,210	1	1,310	2
783	45	797	45	801	45	804	45	802	46	806	47	808	47	794	46
2,604	1	2,592	1	2,622	1	2,589	1	2,517	1	2,434	1	2,404	1	2,516	1
3	....	....	....	....	....	32	....	68	....	68	....	68	....	47	....
194	....	192	....	193	....	189	....	190	....	190	....	188	....	192	....
96	104	94	106	97	111	100	106	102	107	103	112	103	107	92	93
483	22	487	22	505	22	517	28	526	27	534	25	502	21	499	21
34	38	34	38	34	38	34	38	34	38	34	38	34	38	34	38
193	....	202	....	204	....	206	....	237	....	230	....	212	....	210	....
307	5	308	5	302	5	297	5	297	5	290	5	291	5	299	5
63	6	63	6	65	9	68	9	69	10	69	10	66	10	65	8
341	6	351	6	370	7	369	9	388	9	396	9	387	7	363	7
130	195	112	184	157	210	219	261	235	269	220	275	181	221	158	203
202	2	212	2	212	2	247	2	242	2	237	2	222	2	218	2
426	4	461	4	451	5	461	4	427	1	444	1	429	2	423	3
47	31	43	31	35	30	31	29	31	29	31	29	31	29	35	30
2,260	1,379	2,265	1,372	2,288	1,387	2,297	1,399	2,301	1,408	2,294	1,405	2,296	1,401	2,271	1,372
5	....	5	....	5	....	5	....	5	....	5	....	5	....	5	....
622	12	619	13	645	12	664	12	702	12	719	12	716	13	634	11
60	259	54	222	57	210	57	224	61	223	60	220	60	208	57	226
73	4	79	2	77	2	78	3	79	1	78	2	76	2	76	2
602	....	594	....	611	....	605	....	613	....	610	....	609	....	596	....
975	....	966	....	971	....	979	....	979	....	951	....	938	....	964	....
668	15	731	10	661	8	671	6	744	6	790	18	843	22	721	14
1,151	594	1,155	612	1,146	583	1,173	610	1,242	653	1,255	656	1,217	622	1,193	612
92	....	93	....	91	....	89	....	79	....	74	....	74	....	82	....
56	7	55	7	55	7	55	7	55	7	55	7	54	7	55	7
382	....	290	....	293	....	299	....	246	....	187	....	120	....	218	....
669	2	674	2	728	2	753	2	775	2	770	3	738	3	712	3
569	105	581	116	586	128	582	122	584	120	563	120	520	116	561	112

TABLE IIIc—MANUFACTURES—CINCINNATI—Concluded.

Industries.	No. of establishments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Tobacco (chewing and smoking).....	5	78	113	77	112	81	113	79	113	79	110
Tools.....	34	2,360	.....	2,356	.....	2,343	.....	2,375	.....	2,390	.....
Trunks and valises.....	7	110	13	110	13	114	13	116	14	120	14
Wire rods, wire cloth and wire goods.....	4	55	.....	55	.....	55	.....	57	.....	57	.....
Miscellaneous.....	41	1,975	218	2,005	218	2,006	229	1,991	233	1,989	233
Totals and averages.....	1,214	44,118	14,533	44,329	14,886	45,045	15,127	45,274	15,115	45,394	14,923

TABLE IIIc—MANUFACTURES—CINCINNATI—Concluded.

June.		July.		August.		September.		October.		November.		December.		Monthly Av'ge.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
81	111	79	110	80	111	78	111	79	110	81	111	77	109	79	111
2,380	.....	2,384	.....	2,342	.....	2,301	.....	2,233	.....	2,094	.....	2,028	.....	2,299	.....
122	14	127	15	135	14	135	13	132	13	128	13	120	13	122	14
57	.....	58	.....	58	.....	59	.....	59	.....	61	.....	61	.....	58	.....
1,955	234	1,936	234	1,967	239	1,987	239	2,055	247	2,039	249	2,037	231	1,995	234
45,317	14,907	45,246	14,845	45,284	15,150	45,592	15,568	45,400	15,472	44,417	15,362	43,700	14,745	44,926	15,053

TABLE III*d*—MANUFACTURES—DAYTON.

Industries.	No. of establishments reported.	January.		February.		March.		April.		May.	
		Male.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Male.	Females.
Advertising novelties and signs.....	2	53	9	53	9	60	9	60	9	60	9
Agricultural implements.....	4	549	....	534	....	495	....	480	....	391	....
Awings, tents and flags.....	3	5	4	6	4	7	9	7	10	7	12
Boilers, engines and tanks.....	6	522	....	523	....	532	....	537	....	539	....
Boxes (paper).....	5	170	328	168	322	170	347	157	341	172	357
Boxes (wooden).....	4	107	69	99	69	101	69	98	69	108	73
Bread and other bakery products.....	6	72	27	72	25	75	29	73	28	72	34
Brick and tile.....	5	19	....	19	....	25	....	64	....	89	....
Brooms and brushes.....	3	7	1	7	1	7	1	9	1	7	1
Carriages and wagons.....	9	172	2	174	2	174	2	176	2	176	2
Carriage and wagon materials.....	3	253	....	234	....	223	....	212	....	211	....
Cigars.....	20	179	529	191	535	183	555	188	556	195	554
Clothing.....	23	63	256	92	274	118	262	121	265	121	275
Coffee, baking powder and spices.....	3	40	46	40	46	40	46	40	46	40	46
Confectionery.....	2	2	5	2	5	2	5	2	5	5	5
Dairy products.....	2	42	1	44	1	46	1	43	1	47	1
Drugs, chemicals and druggists' sundries.....	2	4	17	4	15	4	15	4	18	5	24
Electrical goods and supplies.....	4	95	6	100	6	108	6	111	6	111	6
Extracts, toilet articles and perfumery.....	2	12	13	14	14	15	16	16	20	16	25
Flouring mill products.....	4	51	....	51	....	51	....	51	....	51	....
Foundry and machine shop products.....	20	5,915	546	6,117	544	6,355	541	6,835	563	6,710	537
Furniture.....	6	454	1	450	1	466	1	492	1	486	1
Glass and glassware.....	2	14	....	15	....	15	....	15	....	16	....
Harness and saddlery.....	2	15	....	15	....	15	....	15	....	15	....
Iron (structural and architectural).....	2	18	....	18	....	20	....	23	....	23	....
Liquors (malt).....	7	140	....	142	....	147	....	146	....	151	....
Machinery.....	12	1,789	13	2,823	13	2,790	13	2,833	13	2,859	13
Mattresses and pillows.....	2	13	5	19	7	23	8	26	9	26	9
Paints and varnishes.....	4	65	20	65	20	65	20	66	20	65	20
Patterns and models.....	2	9	....	11	....	15	....	18	....	16	....
Printing and binding.....	20	306	166	309	168	311	179	332	180	326	185
Sash, doors, lumber and interior finish.....	5	331	....	336	....	335	....	362	....	366	....
Slaughtering and meat packing.....	2	89	....	85	....	82	....	81	....	81	....
Soap, candles and tallow.....	6	127	14	126	12	127	12	127	12	114	12
Soda and mineral waters.....	3	8	....	8	....	9	....	9	....	10	....
Stoves, ranges and furnaces.....	4	228	....	249	....	246	....	229	....	231	....
Strawboards and paper.....	5	246	47	248	47	248	47	243	47	247	47
Tinware, sheet iron & galvanized ironware.....	3	42	....	43	....	43	....	44	....	46	....
Tobacco (chewing and smoking).....	4	91	161	76	152	78	187	76	173	70	164
Tools.....	5	51	....	53	....	55	....	54	....	54	....
Miscellaneous.....	27	750	78	760	100	762	93	777	109	789	109
Totals and averages.....	255	13,118	2,364	14,395	2,392	14,643	2,473	15,252	2,504	15,124	2,521

TABLE III*d*—MANUFACTURES—DAYTON.

June.		July.		August.		September.		October.		November.		December.		Monthly Av'ge.	
Males.	Females.	Male.	Females.	Males.	Females.	Males.	Females.	Male.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
69	9	71	9	69	9	63	9	58	9	57	9	54	9	61	9
324	...	224	...	172	...	216	...	277	...	349	...	440	...	371	...
7	12	7	12	7	9	6	8	6	7	5	5	5	5	6	8
544	...	540	...	536	...	539	...	529	...	533	...	500	...	531	...
176	368	186	418	194	423	203	402	202	400	208	396	190	365	183	372
124	75	112	75	112	75	107	72	98	70	97	70	88	70	104	71
72	40	76	31	73	31	72	28	69	32	74	34	75	39	73	31
94	...	94	...	94	...	89	...	54	...	25	...	19	...	57	...
7	1	8	1	8	1	7	1	7	1	8	1	8	1	8	1
167	2	160	1	157	1	148	1	166	1	171	1	171	1	168	1
219	...	199	...	194	...	189	...	206	...	228	...	234	...	217	...
201	602	192	653	207	674	209	684	209	726	211	720	173	643	195	619
120	267	78	229	61	228	121	252	121	253	121	265	117	253	105	257
40	46	40	46	40	46	40	46	40	46	40	46	40	46	40	46
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
44	1	46	1	47	1	44	1	46	1	47	1	47	1	45	1
6	14	6	31	7	34	7	18	5	32	5	38	5	20	5	23
111	6	102	2	98	4	94	6	91	6	92	6	94	6	101	6
16	20	16	18	16	18	14	18	14	17	13	16	13	15	14	18
51	...	51	...	51	...	51	...	51	...	51	...	51	...	51	...
6,273	476	6,115	483	5,845	490	5,975	492	6,067	505	5,719	479	5,523	478	6,121	511
483	1	490	1	481	1	484	1	510	1	488	1	511	1	483	1
16	...	14	...	13	...	12	...	12	...	12	...	12	...	14	...
16	...	16	...	16	...	15	...	15	...	15	...	15	...	15	...
23	...	24	...	23	...	23	...	22	...	21	...	19	...	21	...
163	...	172	...	170	...	165	...	157	...	150	...	137	...	153	...
2,937	13	3,021	13	3,036	13	3,220	13	3,121	13	3,028	13	2,986	13	2,870	13
24	8	15	5	21	7	26	9	26	9	23	9	22	6	22	8
64	20	54	15	56	15	66	20	65	20	64	20	63	20	63	19
16	...	14	...	16	...	14	...	13	...	14	...	14	...	14	...
327	207	324	201	321	205	326	205	326	208	333	201	342	212	323	193
379	...	403	...	402	...	413	...	432	...	404	...	374	...	378	...
82	...	86	...	86	...	88	...	86	...	88	...	97	...	86	...
116	13	114	13	89	23	90	23	90	24	91	24	91	24	109	17
10	...	11	...	10	...	10	...	9	...	9	...	9	...	9	...
239	...	249	...	272	...	293	...	287	...	272	...	244	...	253	...
251	47	249	47	254	47	248	52	249	52	248	47	240	47	248	48
49	...	48	...	52	...	44	...	48	...	47	...	47	...	46	...
69	162	75	170	81	170	79	161	68	156	64	146	54	161	74	164
55	...	54	...	52	...	52	...	52	...	53	...	52	...	53	...
810	118	858	122	837	102	818	105	799	101	721	104	725	90	784	103
14,799	2,533	14,619	2,602	14,281	2,632	14,685	2,632	14,708	2,695	14,201	2,657	13,903	2,531	14,477	2,545

TABLE IIIe—MANUFACTURES—TOLEDO.

Industries.	No. of establishments reported.	January.		February.		March.		April.		May.	
		Male.	Females.	Males.	Females.	Male.	Females.	Males.	Females.	Males.	Females.
Agricultural implements.....	2	35	....	38	....	33	....	26	....	23	....
Awnings, tents and flags.....	3	21	44	20	48	25	51	30	50	33	53
Bath cabinets.....	2	12	39	12	39	12	34	10	34	10	29
Bicycles, bicycle sundries and automobiles.....	5	1,403	66	1,483	68	1,504	64	1,468	56	1,356	52
Billiard tables, bar and store fixtures...	2	149	....	149	....	149	....	149	....	149	....
Boilers, engines and tanks.....	6	586	....	588	....	592	....	606	....	603	....
Boxes (paper).....	3	15	25	15	25	16	26	16	26	16	26
Boxes (wooden).....	4	67	7	70	7	77	8	84	8	94	8
Bread and other bakery products.....	10	150	84	150	72	149	77	148	82	150	83
Brick and tile.....	10	177	....	171	....	208	....	346	....	447	....
Brooms and brushes.....	6	174	83	170	90	177	92	182	90	176	77
Carriages and wagons.....	11	479	2	489	2	506	2	533	2	540	2
Carriage and wagon materials.....	5	269	2	285	3	284	3	285	3	290	3
Chewing gum.....	2	3	21	3	21	3	21	3	21	3	21
Cigars.....	14	79	14	79	11	81	11	82	11	81	11
Clothing.....	37	249	703	250	740	263	834	235	799	242	766
Coffee, baking powder and spices.....	2	69	140	51	98	64	111	51	110	54	94
Cooperage.....	3	45	....	45	....	45	....	45	....	45	....
Copper and brass goods.....	2	16	....	16	....	16	....	16	....	16	....
Cotton & woolen goods (knit & woven)	3	10	185	10	185	10	210	10	240	10	265
Drugs, chemicals, and druggists' sundries.....	7	26	19	26	19	25	20	27	20	27	20
Electrical goods and supplies.....	4	143	2	157	12	160	12	157	14	164	25
Extracts, toilet articles and perfumery.	3	3	4	3	4	3	4	3	4	3	4
Flouring mill products.....	9	289	2	287	2	307	3	290	3	286	4
Foundry and machine shop products...	17	2,097	5	2,157	10	2,308	21	2,234	26	2,201	29
Furniture.....	11	397	5	406	8	410	8	424	9	414	8
Gas and electricity.....	2	141	....	123	....	108	....	174	....	161	....
Glass and glassware.....	3	1,034	223	1,034	223	1,034	223	1,035	223	1,035	223
Harness and saddlery.....	2	20	....	20	....	20	....	18	....	14	....
Hats, caps and furnishings.....	2	7	5	7	5	7	5	7	6	7	6
Iron (structural and architectural)....	2	606	....	586	....	530	....	657	....	586	....
Lime, sand, cement and plaster.....	4	24	....	24	....	30	....	34	....	45	....
Liquors (distilled).....	2	19	....	21	....	21	....	21	....	21	....
Liquors (malt).....	6	218	....	219	....	224	....	222	....	233	....
Machinery.....	11	873	....	907	....	734	....	937	....	930	....
Marble and granite.....	2	27	....	25	....	29	....	28	....	29	....
Mattresses and pillows.....	2	12	5	13	5	11	5	13	7	12	7
Oil and grease.....	4	221	....	208	....	224	....	209	....	194	....
Paints and varnishes.....	3	23	1	24	1	26	1	26	1	26	1
Pickles, preserves and sauces.....	2	9	4	8	4	8	4	12	4	16	10
Printing and binding.....	19	200	57	207	61	217	62	209	61	210	62
Pumps and water wheels.....	3	25	....	25	....	25	....	25	....	25	....
Sash, doors, lumber and interior finish..	15	359	....	370	....	384	....	406	....	416	....
Soap, candles and tallow.....	2	13	14	13	14	13	15	14	18	14	18
Soda and mineral waters.....	3	48	....	48	....	48	....	50	....	53	....
Steel, iron and tin.....	3	612	....	571	....	427	....	395	....	357	....
Stencils, stamps and seals.....	3	7	1	7	1	7	1	7	1	7	....
Stone (cut, sawed and artificial).....	3	21	....	26	....	93	....	114	....	111	....
Stoves, ranges and furnaces.....	2	36	....	34	....	36	....	38	....	43	....
Tinware, sheet iron & galvanized ironware.....	13	391	65	398	70	408	77	393	92	399	93
Tools.....	3	19	....	17	....	18	....	19	....	19	....
Wire rods, wire cloth and wire goods..	2	23	....	24	....	25	....	28	....	28	....
Miscellaneous.....	23	437	142	468	137	478	137	479	143	474	143
Totals and averages.....	324	12,388	1,972	12,562	1,985	12,812	2,142	13,030	2,164	12,898	2,148

TABLE III_e—MANUFACTURES—TOLEDO.

June.		July.		August.		September.		October.		November.		December.		Monthly Av'ge	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
20	....	23	....	43	....	44	....	47	....	50	....	51	....	36	.....
33	53	28	51	22	49	21	38	20	36	20	38	20	38	24	46
10	29	10	14	13	14	13	14	13	19	12	19	11	19	12	25
1,320	45	1,270	43	1,290	38	1,365	42	1,464	41	1,576	41	1,760	48	1,438	50
149	....	149	....	149	....	149	....	149	....	149	....	149	....	149	....
601	....	647	....	578	....	415	....	392	....	373	....	459	....	537	....
16	24	16	24	16	24	16	26	16	28	16	28	16	30	16	26
91	8	90	8	82	8	77	8	75	8	78	8	82	7	81	7
152	84	166	94	174	96	175	96	168	89	166	89	160	85	159	85
441	....	461	....	446	....	441	....	327	....	224	....	168	....	321	....
172	78	158	79	180	78	178	83	184	83	184	88	189	90	177	84
551	2	548	2	547	2	542	2	521	2	503	2	475	2	520	2
293	3	288	3	286	3	285	2	275	2	279	2	278	1	283	3
2	21	2	21	2	21	2	21	2	21	2	21	2	21	2	21
81	11	83	11	82	12	76	12	81	12	81	12	75	12	80	12
249	819	211	798	268	863	297	878	306	868	241	693	225	646	253	784
54	71	54	78	54	75	58	83	59	99	58	87	59	116	57	97
45	....	45	....	45	....	45	....	45	....	45	....	45	....	45	....
16	....	16	....	16	....	16	....	16	....	16	....	16	....	16	....
10	273	10	270	10	270	10	285	10	255	10	244	10	185	10	239
31	20	31	21	31	20	33	21	31	21	26	26	29	24	29	21
170	22	175	23	176	25	192	31	204	32	197	46	188	42	174	24
3	4	3	4	3	4	2	4	2	5	2	5	2	5	3	4
310	4	298	2	321	2	298	1	298	....	296	....	232	....	293	....
2,230	37	1,966	44	2,074	49	1,912	43	2,067	42	1,663	21	1,410	18	2,027	29
402	5	385	5	417	8	435	10	441	0	429	7	406	5	414	7
143	....	113	....	116	....	105	....	115	....	119	....	123	....	129	....
968	140	832	75	832	75	832	75	1,036	223	1,035	223	1,035	223	978	179
12	....	12	....	14	....	17	....	17	....	20	....	20	....	17	....
7	6	7	5	7	5	7	6	7	6	7	6	7	5	7	6
604	....	608	....	609	....	635	....	523	....	511	....	498	....	579	....
45	....	41	....	43	....	46	....	44	....	36	....	27	....	39	....
20	....	18	....	17	....	18	....	23	....	22	....	19	....	20	....
239	....	239	....	237	....	236	....	229	....	230	....	229	....	230	....
932	....	943	....	929	....	954	....	929	....	871	....	857	....	916	....
27	....	25	....	28	....	28	....	25	....	25	....	27	....	26	....
12	7	9	8	12	6	12	7	11	8	11	8	10	5	11	6
188	....	201	....	199	....	201	....	205	....	215	....	230	....	208	....
25	1	22	1	22	1	22	1	22	1	22	1	22	1	23	....
16	14	16	14	20	4	23	24	23	29	17	27	17	14	15	13
210	64	206	63	211	62	215	63	213	63	199	65	188	62	207	62
25	....	25	....	25	....	65	....	66	....	65	....	65	....	38	....
407	....	415	....	407	....	400	....	395	....	370	....	357	....	391	....
19	11	16	22	13	12	13	12	13	11	12	10	12	10	14	14
53	....	56	....	54	....	54	....	51	....	49	....	49	....	51	....
653	....	670	....	546	....	535	....	511	....	464	....	413	....	513	....
7	....	7	....	7	....	7	....	7	1	7	1	7	1	7	1
114	....	120	....	117	....	123	....	116	....	110	....	33	....	91	....
46	....	50	....	52	....	54	....	52	....	52	....	50	....	45	....
468	97	501	92	485	93	470	102	450	109	401	109	407	96	431	91
18	....	18	....	17	....	17	....	17	....	17	....	17	....	18	....
26	....	26	....	26	....	26	....	24	....	23	....	23	....	25	....
469	148	478	135	485	146	480	144	503	144	492	139	468	148	476	142
13,205	2,101	12,807	2,010	12,852	2,065	12,690	2,134	12,840	2,268	12,098	2,066	11,727	1,959	12,659	2,084

TABLE IIIf—MANUFACTURES—CITIES.

Industries.	No. of establishments reported,	January.		February.		March.	
		Males.	Females.	Male.	Females.	Male.	Females.
Advertising novelties and signs.....	9	450	263	457	255	456	264
Agricultural implements.....	30	4,214	111	3,723	96	4,101	98
Awnings, tents and flags.....	3	2	1	2	7	4	8
Baskets.....	3	19	.....	17	.....	15	.....
Bicycles, bicycle sundries and automobiles	9	396	23	444	25	465	27
Billiard tables, bar and store fixtures....	5	60	.....	60	.....	60	.....
Boilers, engines and tanks.....	71	7,641	1	7,805	1	7,878	1
Boots and shoes.....	19	2,574	1,617	2,563	1,618	2,538	1,610
Boxes (paper).....	7	41	198	41	201	41	199
Boxes (wooden).....	11	176	63	178	65	196	67
Bread and other bakery products.....	121	560	174	559	177	560	184
Brick and tile.....	108	3,485	386	3,443	355	3,799	331
Brooms and brushes.....	19	283	40	288	39	289	41
Canned goods.....	13	86	53	87	53	110	59
Carriages and wagons.....	115	2,101	53	2,266	60	2,357	62
Carriage and wagon materials.....	34	1,457	67	1,557	90	1,595	104
Cars and car furnishings.....	3	551	.....	532	.....	498	.....
Chewing gum.....	4	11	54	11	56	11	60
Churns.....	3	9	.....	9	.....	9	.....
Cigars.....	170	736	1,573	741	1,591	747	1,638
Clothing.....	223	650	1,566	660	1,619	732	1,678
Clothes wringers and washboards.....	3	12	.....	12	.....	14	.....
Coffee, baking powder and spices.....	5	3	3	3	3	3	4
Coffins and burial cases.....	4	210	47	207	45	213	49
Confectionery.....	25	64	58	68	60	69	69
Cooperage.....	28	500	.....	534	.....	568	.....
Copper and brass goods.....	10	349	18	370	18	394	18
Cordage and twine.....	3	819	93	668	86	706	97
Cotton & woolen goods (knit & woven).....	19	252	761	254	785	263	801
Cutlery and edge tools.....	5	488	90	253	62	323	64
Dairy products.....	8	56	.....	56	.....	57	.....
Dental and surgical chairs.....	3	114	.....	118	.....	118	.....
Drugs, chemicals and druggists' sundries...	33	90	28	87	28	90	28
Electrical goods and supplies.....	26	902	690	925	701	933	707
Elevators and hoisting machinery.....	2	.....	.....	1	.....	1	.....
Extracts, toilet articles and perfumery.....	7	73	31	93	50	95	41
Fertilizers.....	9	77	.....	77	.....	91	.....
Fireworks.....	2	28	37	28	36	25	43
Flouring mill products.....	103	1,355	319	1,344	275	1,294	280
Foundry and machine shop products.....	110	5,596	57	5,549	55	5,609	55
Furniture.....	39	2,123	50	2,183	51	2,285	50
Gas and electricity.....	78	1,070	1	1,077	1	1,070	1
Glass works supplies.....	4	210	18	206	17	208	16
Glass and glassware.....	24	4,926	403	4,989	407	5,010	398
Gloves and mittens.....	10	76	398	80	403	77	409
Gun powder and other explosives.....	7	192	.....	198	.....	206	.....
Handles.....	10	242	.....	246	.....	241	.....
Hardware.....	12	912	127	937	150	966	158
Harness and saddlery.....	16	220	56	219	57	218	59
Hats, caps and furnishings.....	3	13	89	13	89	13	90
Hollowware.....	2	318	86	323	92	345	91
Ice (artificial).....	31	164	.....	230	.....	181	.....
Iron (structural and architectural).....	16	1,420	.....	1,320	.....	1,604	.....
Jewelry and watches.....	4	929	522	927	521	927	526
Leather and leather goods.....	11	244	.....	245	.....	243	.....
Lighting apparatus.....	5	157	20	161	20	153	20
Lime, sand, cement and plaster.....	34	822	.....	815	.....	954	.....
Liquors (distilled).....	18	106	10	106	10	112	13
Liquors (malt).....	48	819	6	822	6	848	6
Lithographing, engraving & electrotyping..	6	83	12	81	12	80	12
Machinery.....	81	6,565	17	6,627	17	6,711	17
Malt.....	3	58	.....	59	.....	58	.....
Marble and granite.....	21	106	1	104	1	106	1
Marbles.....	2	21	39	21	39	21	39
Mattresses and pillows.....	11	112	40	112	42	123	52
Oil cloth and window shade cloth.....	2	180	.....	184	.....	141	.....
Oil and grease.....	6	498	1	554	1	593	1
Paints and varnishes.....	12	44	6	48	4	51	5
Patterns and models.....	7	58	.....	55	.....	62	.....
Pianos and other musical instruments.....	7	302	.....	305	.....	308	.....
Pickles, preserves and sauces.....	5	17	13	15	10	14	10
Plating.....	6	33	.....	33	.....	35	.....

TABLE IIIf—MANUFACTURES—CITIES.

April.		May.		June.		July.		August.		September.	
Males.	Females.	Males.	Females.	Males.	Females.	Male.	Females.	Males.	Females.	Male.	Females.
486	277	475	287	464	258	494	282	515	273	520	303
4,038	85	3,772	85	3,583	74	3,355	78	3,450	80	3,501	78
5	10	6	12	6	12	5	9	4	7	2	5
33	8	36	8	42	8	26	3	25	5	28	10
441	26	457	19	423	11	374	5	308	4	262	4
62	.....	62	.....	62	.....	61	.....	60	.....	60	.....
7,895	1	7,937	1	7,904	1	7,642	1	7,745	1	7,311	1
2,531	1,559	2,563	1,548	2,630	1,615	2,648	1,633	2,633	1,634	2,531	1,580
41	204	41	205	41	203	41	203	41	204	41	199
198	68	206	65	200	71	182	70	204	68	250	69
567	195	574	195	597	208	602	211	594	203	592	197
4,387	331	4,729	357	4,915	358	4,914	358	4,957	353	4,940	341
292	40	292	41	291	44	289	42	287	44	289	46
116	64	111	61	430	406	208	323	1,513	777	1,659	823
2,417	63	2,470	66	2,422	58	2,191	49	1,901	41	1,810	38
1,565	94	1,551	96	1,569	95	1,487	82	1,366	55	1,231	31
470	.....	489	.....	544	.....	555	.....	586	.....	592	.....
11	64	10	66	10	69	9	72	9	74	10	72
9	.....	10	.....	10	.....	10	.....	10	.....	10	.....
770	1,770	770	1,842	791	1,988	829	2,030	810	1,986	785	2,013
753	1,682	753	1,660	750	1,712	651	1,616	652	1,624	733	1,688
15	.....	15	.....	14	.....	13	.....	12	.....	12	.....
3	4	3	4	3	4	4	7	4	7	4	7
206	42	211	50	206	51	207	47	209	41	213	42
72	76	78	84	83	80	85	77	87	81	90	93
574	.....	549	.....	541	.....	558	.....	564	.....	572	.....
432	18	430	18	447	18	443	18	443	18	442	18
753	92	674	96	673	90	702	88	577	88	579	78
264	828	300	860	300	862	295	867	309	860	305	873
386	69	423	69	512	70	514	73	522	75	536	74
57	.....	54	.....	51	.....	51	.....	51	.....	54	.....
118	.....	121	.....	120	.....	107	.....	105	.....	114	.....
93	28	96	29	92	30	96	31	104	33	100	41
925	741	946	733	958	739	902	698	923	803	901	807
1	.....	1	.....	1	.....	1	.....	13	.....	13	.....
92	48	87	60	109	66	117	64	119	65	134	76
102	.....	71	.....	74	.....	88	.....	123	.....	152	.....
50	63	64	87	57	89	11	5	32	14	17	15
1,334	258	1,244	228	1,333	217	1,349	257	1,398	279	1,426	388
5,633	55	5,686	55	5,473	53	5,218	40	5,249	43	5,171	36
2,243	54	2,243	53	2,133	55	2,083	52	2,158	47	2,251	55
1,161	2	1,269	2	1,264	2	1,269	2	1,270	3	1,232	3
204	17	183	16	162	14	148	12	156	13	149	13
4,713	397	4,467	405	4,280	396	1,357	267	1,844	301	4,114	398
77	411	70	414	61	414	64	410	68	417	64	438
205	.....	206	.....	211	.....	215	.....	213	.....	213	.....
238	.....	237	.....	233	.....	212	.....	212	.....	240	.....
977	162	965	150	762	90	750	92	774	94	910	117
213	57	217	56	207	56	219	59	212	51	213	46
13	90	13	90	12	87	12	87	13	90	13	90
351	90	368	95	363	93	388	93	186	95	394	93
226	.....	286	.....	339	.....	374	.....	375	.....	358	.....
1,513	.....	1,435	.....	1,417	.....	1,478	.....	1,501	.....	1,674	.....
928	523	933	528	943	531	931	528	944	527	955	529
233	.....	234	.....	239	.....	227	.....	227	.....	233	.....
152	20	146	20	138	20	129	18	134	18	132	18
1,021	.....	1,061	.....	1,078	.....	1,040	.....	1,053	.....	1,066	.....
121	13	108	16	107	15	95	14	94	11	118	12
860	7	912	9	948	9	966	9	964	9	951	7
80	10	79	11	77	9	77	9	78	9	80	13
6,787	17	6,689	17	6,704	19	6,591	21	6,704	21	6,575	22
57	.....	53	.....	51	.....	16	.....	18	.....	29	.....
119	1	131	1	133	1	124	1	125	1	125	1
21	39	21	39	21	39	21	39	21	39	21	39
130	63	135	63	135	63	131	60	131	59	133	61
129	.....	116	.....	127	.....	131	.....	130	.....	135	.....
598	1	625	1	645	1	683	1	676	1	716	1
55	8	55	7	47	4	47	2	41	2	40	2
65	.....	58	.....	56	.....	55	.....	58	.....	56	.....
308	.....	319	.....	331	.....	329	.....	327	.....	327	.....
13	10	18	11	17	11	15	11	15	11	23	20
35	.....	35	.....	35	.....	34	.....	34	.....	35	.....

TABLE IIIf—MANUFACTURES—CITIES—Continued.

Industries.	No. of establish- ments reported.	January.		February.		March.	
		Males.	Females.	Males.	Females.	Males.	Females.
Plumbing, steam and gas fitting supplies . . .	11	558	.....	615	.....	616	.....
Pottery and stoneware.....	54	4,996	1,956	5,165	2,011	5,182	2,068
Potters' supplies	7	113	42	117	42	118	41
Printing and binding	262	2,476	1,183	2,508	1,178	2,505	1,172
Pumps and water-wheels.....	11	699	.....	706	.....	694	.....
Roofing (steel, iron and tin).....	13	143	2	148	2	159	2
Rubber goods.....	16	3,093	632	3,419	731	4,068	771
Safes, vaults and locks.....	5	1,398	.....	1,396	.....	1,399	.....
Sash, doors, lumber and interior finish....	135	2,612	21	2,637	23	2,833	23
Slaughtering and meat packing.....	5	68	.....	68	.....	60	.....
Soap, candles and tallow.....	12	36	10	36	10	40	10
Soda and mineral waters.....	50	134	4	131	4	132	5
Steel, iron and tin.....	59	25,256	143	26,207	136	26,825	130
Stencils, stamps and seals.....	3	2	1	2	1	2	1
Stone (cut, sawed and artificial).....	7	211	.....	198	.....	239	1
Stoves, ranges and furnaces.....	40	2,892	.....	2,987	.....	3,071	.....
Strawboards and paper.....	25	2,025	504	1,956	505	1,973	523
Sucker rods.....	2	39	.....	38	.....	39	.....
Tinware, sheet iron & galvanized ironware.	44	1,286	299	1,233	330	1,265	368
Tobacco (chewing and smoking).....	8	888	617	789	640	780	613
Tools.....	21	1,555	.....	1,538	.....	1,586	.....
Umbrellas and parasols.....	2	19	55	19	58	19	62
Wire rods, wire cloth and wire goods.....	9	661	52	593	52	615	52
Miscellaneous.....	83	962	366	999	371	1,065	389
Totals and averages.....	2,810	111,602	16,277	112,840	16,556	116,526	16,862

TABLE IIIf—MANUFACTURES—CITIES—Continued.

April.		May.		June.		July.		August.		September.	
Males.	Females.	Male.	Females.	Male.	Females.	Males.	Male.	Males.	Females.	Males.	Females.
603	.....	578	.....	504	.....	511	.....	473	.....	491	.....
5,195	2,105	5,225	2,098	5,175	2,088	4,894	1,903	5,042	2,021	5,209	2,081
115	42	112	45	109	46	99	43	109	45	114	44
2,516	1,119	2,530	1,121	2,508	1,133	2,512	1,128	2,482	1,105	2,503	1,158
729	.....	758	.....	755	.....	762	.....	768	.....	762	.....
165	.....	171	.....	176	.....	176	.....	172	.....	166	.....
4,340	773	4,470	735	4,290	652	3,925	604	3,600	563	3,260	566
1,407	.....	1,390	.....	1,405	.....	1,402	.....	1,445	.....	1,439	.....
3,002	27	3,066	34	3,087	20	3,110	19	3,051	19	3,062	20
62	.....	60	.....	61	.....	62	.....	63	.....	64	.....
41	11	43	10	38	7	44	10	44	10	44	10
139	4	164	4	167	4	178	4	170	4	161	4
26,828	146	27,491	140	26,919	150	26,053	122	27,244	125	26,704	117
2	1	2	1	2	1	2	1	2	1	2	1
310	1	335	1	343	1	361	1	367	1	362	1
3,110	.....	3,149	.....	3,134	.....	3,057	.....	3,066	.....	3,052	.....
1,945	508	1,980	506	1,987	484	1,870	480	1,862	440	1,867	449
38	.....	39	.....	39	.....	35	.....	37	.....	36	.....
1,399	383	1,497	407	1,540	424	1,579	403	1,533	398	1,490	387
784	615	760	675	789	664	619	440	924	735	739	609
1,583	.....	1,588	.....	1,562	.....	1,497	.....	1,550	.....	1,505	.....
19	62	19	66	19	68	19	66	19	65	19	65
622	52	481	52	448	50	433	47	530	49	568	49
1,126	428	1,192	435	1,178	432	1,234	433	1,222	452	1,240	475
118,123	17,135	119,154	17,324	118,212	17,716	111,979	16,833	115,245	17,693	116,426	18,073

TABLE IIIf—MANUFACTURES—CITIES—Concluded.

Industries.	No. of establishments reported.	October.		November.		December.		Monthly Av ge.	
		Males.	Females.	Male.	Females.	Male.	Females.	Males.	Females.
Advertising novelties and signs.....	9	528	318	550	325	546	299	495	284
Agricultural implements..	30	3,259	75	3,283	68	3,397	60	3,640	82
Awnings, tents and flags..	3	2	5	2	4	2	4	3	7
Baskets.....	3	29	12	24	6	24	3	26	5
Bicycles, bicycle sundries and automobiles.....	9	324	8	363	16	379	18	386	16
Billiard tables, bar & store fixtures.....	5	60	.....	60	.....	60	.....	61	.....
Boilers, engines and tanks..	71	7,292	1	6,945	1	6,643	1	7,553	.....
Boots and shoes.....	19	2,488	1,542	2,478	1,573	2,584	1,601	2,563	1,594
Boxes (paper).....	7	41	198	41	200	41	199	41	201
Boxes (wooden).....	11	273	73	252	71	188	65	209	68
Bread & other bakery products.....	121	585	200	583	195	582	205	580	195
Brick and tile.....	108	4,483	332	4,227	345	3,701	340	4,332	349
Brooms and brushes.....	19	292	52	289	52	285	54	289	45
Canned goods.....	13	503	403	179	150	131	121	428	274
Carriages and wagons.....	115	1,821	36	1,845	39	1,939	47	2,128	51
Carriage & wagon materials.....	34	1,392	36	1,422	55	1,488	62	1,473	72
Cars and car furnishings..	3	594	.....	583	.....	617	.....	551	.....
Chewing gum.....	4	10	68	9	64	9	58	10	65
Churns.....	3	10	.....	10	.....	10	.....	9	.....
Cigars.....	170	791	2,015	811	2,077	793	1,976	781	1,875
Clothing.....	223	763	1,753	761	1,743	727	1,702	715	1,670
Clothes wringers and wash boards.....	3	12	.....	11	.....	11	.....	13	.....
Coffee, baking powder and spices.....	5	4	7	4	7	4	6	3	5
Coffins and burial cases....	4	223	50	224	48	217	45	212	46
Confectionery.....	25	91	106	94	118	94	106	81	84
Cooperage.....	28	585	.....	578	.....	490	.....	551	.....
Copper and brass goods.....	10	385	18	363	18	359	18	405	18
Cordage and twine.....	3	653	149	701	181	669	176	681	110
Cotton and woolen goods (knit and woven).....	19	298	870	298	868	266	800	284	836
Cutlery and edge tools.....	5	527	80	519	81	481	83	457	74
Dairy products.....	8	53	.....	58	.....	59	.....	55	.....
Dental and surgical chairs.	3	114	.....	113	.....	113	.....	115	.....
Drugs, chemicals & druggists' sundries.....	33	98	44	96	45	95	43	95	34
Electrical goods and supplies.....	26	937	864	899	869	894	844	920	766
Elevators & hoisting machinery.....	2	11	.....	11	.....	12	.....	6	.....
Extracts, toilet articles & perfumery.....	7	135	78	128	72	119	60	108	59
Fertilizers.....	9	68	.....	57	.....	61	.....	87	.....
Fireworks.....	2	18	22	17	18	13	15	30	37
Flouring mill products.....	103	1,464	444	1,380	452	1,186	177	1,342	295
Foundry and machine shop products.....	110	4,974	44	4,797	44	4,667	37	5,302	48
Furniture.....	39	2,289	54	2,322	55	2,233	48	2,208	52
Gas and electricity.....	78	1,205	3	1,166	1	1,115	1	1,181	2
Glass works supplies.....	4	143	12	108	7	116	9	166	14
Glass and glassware.....	24	4,599	419	4,959	405	4,979	408	4,186	384
Gloves and mittens.....	10	56	435	57	430	50	408	67	416
Gunpowder and other explosives.....	7	214	.....	212	.....	200	.....	207	.....
Handles.....	10	248	.....	248	.....	251	.....	237	.....
Hardware.....	12	975	148	965	145	818	102	893	128
Harness and saddlery.....	16	214	50	220	53	222	50	216	54
Hats, caps and furnishings.	3	13	90	12	87	12	87	13	89
Hollowware.....	2	415	82	381	89	370	89	367	90
Ice (artificial).....	31	272	.....	211	.....	276	.....	274	.....
Iron (structural and architectural).....	16	1,689	.....	1,698	.....	1,447	.....	1,516	.....
Jewelry and watches.....	4	945	525	945	524	944	525	938	526
Leather and leather goods..	11	253	.....	255	.....	257	.....	241	.....
Lighting apparatus.....	5	184	18	184	12	142	12	143	18
Lime, sand, cement & plaster.....	84	992	.....	840	.....	688	.....	953	.....

TABLE IIIf—MANUFACTURES—CITIES—Concluded.

Industries.	No. of establishments reported.	October..		November.		December.		Monthly Ave.	
		Males.	Females.	Male.	Females.	Males.	Males.	Males.	Females.
Liquors (distilled).....	18	133	12	126	12	111	12	111	12
Liquors (malt).....	48	886	6	852	6	832	6	888	7
Lithographing, engraving and electrotyping.....	6	80	15	81	20	81	23	80	13
Machinery.....	81	6,365	24	6,230	25	6,072	25	6,552	20
Malt.....	3	39	.....	40	.....	41	.....	40	.....
Marble and granite.....	21	124	1	122	1	109	1	119	1
Marbles.....	2	21	39	21	39	21	39	21	39
Mattresses and pillows.....	11	133	61	132	59	126	56	128	57
Oil cloth & window shade cloth.....	2	132	.....	95	.....	109	.....	126	.....
Oil and grease.....	6	735	1	730	1	644	1	641	1
Paints and varnishes.....	12	39	2	41	3	39	5	46	4
Patterns and models.....	7	54	.....	49	.....	48	.....	56	.....
Pianos and other musical instruments.....	7	329	.....	329	.....	329	.....	320	.....
Pickles, preserves and sauces.....	5	32	23	23	18	19	11	18	14
Plating.....	6	35	.....	35	.....	34	.....	35	.....
Plumbing, steam and gas fitting supplies.....	11	522	.....	463	.....	466	.....	534	.....
Pottery and stoneware....	54	5,217	2,091	5,205	2,084	5,089	2,023	5,133	2,044
Potters' supplies.....	7	113	46	122	45	121	43	113	44
Printing and binding.....	262	2,547	1,172	2,564	1,204	2,600	1,225	2,521	1,158
Pumps and water-wheels ..	11	708	.....	659	.....	589	.....	715	.....
Roofing (steel, iron & tin)	13	158	4	159	3	133	3	161	3
Rubber goods.....	16	3,094	606	3,119	601	3,172	607	3,654	653
Safes, vaults and locks....	5	1,459	.....	1,439	.....	1,433	.....	1,418	.....
Sash, doors, lumber and interior finish.....	135	3,063	20	2,930	21	2,662	29	2,926	23
Slaughtering & meat packing.....	5	64	.....	71	.....	72	.....	65	.....
Soap, candles and tallow..	12	44	10	37	7	39	10	40	10
Soda and mineral waters ..	50	145	4	133	4	132	4	149	4
Steel, iron and tin.....	59	24,349	82	18,993	94	19,103	96	25,164	124
Stencils, stamps and seals.	3	2	1	2	1	2	1	2	1
Stone (cut, sawed and artificial).....	7	338	1	290	1	235	1	299	1
Stoves, ranges & furnaces	40	3,090	.....	2,970	.....	2,911	.....	3,041	.....
Strawboards and paper....	25	1,901	462	1,894	479	1,885	501	1,929	487
Sucker rods.....	2	36	.....	36	.....	37	.....	37	.....
Tinware, sheet iron & galvanized ironware.....	44	1,416	367	1,376	360	1,324	343	1,412	372
Tobacco (chewing & smoking).....	8	563	600	660	582	684	588	748	616
Tools.....	21	1,544	.....	1,484	.....	1,399	.....	1,532	.....
Umbrellas and parasols...	2	19	65	18	65	18	62	19	63
Wire rods, wire cloth and wire goods.....	9	575	50	557	49	598	50	557	50
Miscellaneous.....	83	1,276	460	1,245	439	1,178	431	1,160	426
Totals and averages....	2,810	112,226	17,964	105,130	17,836	102,573	17,160	113,336	17,286

TABLE III_g—MANUFACTURES—VILLAGES.

Industries.	No. of establishments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Advertising novelties and signs.....	3	15	6	15	6	15	6	15	6	15	6
Agricultural implements.....	18	874	4	889	4	893	4	862	5	818	5
Baskets.....	7	29	9	31	9	32	9	83	24	152	50
Bicycles, bicycle sundries and automobiles.....	4	98	....	112	....	143	....	159	....	154	....
Billiard tables, bar and store fixtures...	7	129	2	132	2	136	2	131	2	141	2
Boilers, engines and tanks.....	17	1,066	1	1,022	1	997	1	1,041	1	1,169	1
Boots and shoes.....	3	34	19	41	21	50	30	62	32	56	32
Boxes (wooden).....	9	31	16	34	30	36	30	36	30	41	30
Bread and other bakery products.....	72	97	20	97	20	100	20	97	21	101	22
Brick and tile.....	224	4,925	13	4,964	13	5,173	15	5,716	11	6,137	8
Brooms and brushes.....	10	65	5	62	5	61	5	62	5	61	5
Canned goods.....	21	29	41	18	39	25	48	13	....	41	2
Carriages and wagons.....	83	821	21	904	26	1,010	29	1,031	31	1,047	34
Carriage and wagon materials.....	18	785	....	785	....	772	....	693	....	687	....
Cars and car furnishings.....	2	235	....	237	....	237	....	237	....	237	....
Churns.....	2	51	1	49	1	44	1	43	1	39	1
Cigars.....	101	281	257	284	266	283	261	280	270	287	266
Clothing.....	85	107	330	107	334	111	360	117	383	120	399
Coffee, baking powder and spices....	3	2	3	2	3	2	3	2	3	2	3
Confectionery.....	2	1	3	2	3	2	4	3	3	2	....
Cooperage.....	48	836	....	861	1	956	1	907	1	923	1
Cotton & woolen goods (knit & woven)	16	253	430	251	443	251	430	261	446	263	462
Dairy products.....	62	122	1	123	1	128	1	152	1	166	1
Drugs, chemicals and druggists' sundries.....	15	404	95	403	100	392	98	399	98	392	99
Electrical goods and supplies.....	8	277	201	278	193	281	185	281	180	273	180
Extracts, toilet articles and perfumery	2	....	1	....	1	....	1	....	1	....	1
Fireworks.....	2	81	73	99	86	98	86	105	86	109	90
Flouring mill products.....	255	889	2	888	2	884	2	877	2	880	2
Foundry and machine shop products...	70	2,090	1	2,172	1	2,192	1	2,207	1	2,082	1
Furniture.....	36	977	22	998	21	1,038	22	1,043	25	1,090	30
Gas and electricity.....	101	264	....	263	....	150	....	158	....	156	....
Glass and glassware.....	6	1,427	64	1,437	63	1,464	63	1,490	60	1,436	63
Gloves and mittens.....	2	11	85	11	85	11	85	11	90	11	90
Handles.....	26	357	1	355	1	358	1	345	1	143	1
Hardware.....	4	192	20	207	21	212	21	201	21	190	20
Harness and saddlery.....	21	397	329	398	329	401	330	401	330	388	328
Ice (artificial).....	11	34	....	31	....	40	....	57	....	67	....
Iron (structural and architectural).....	3	55	....	54	....	71	....	75	....	78	....
Leather and leather goods.....	9	190	....	184	....	182	....	181	....	179	....
Lime, sand, cement and plaster.....	21	723	1	711	1	816	1	877	1	1,031	1
Liquors (distilled).....	8	102	5	100	5	101	5	90	5	87	5
Liquors (malt).....	10	57	....	57	....	57	....	57	....	57	....
Machinery.....	36	1,030	16	1,162	13	1,163	11	1,127	12	1,084	13
Marble and granite.....	17	125	1	125	1	126	1	127	1	127	1
Matches.....	2	693	283	692	261	704	264	739	254	685	234
Paints and varnishes.....	2	36	4	38	4	37	6	39	6	36	4
Pianos and other musical instruments.	3	113	10	113	10	114	10	118	10	114	10
Pickles, preserves and sauces.....	6	11	1	10	1	11	....	11	....	12	....
Pottery and stoneware.....	33	1,253	506	1,307	525	1,330	535	1,280	504	1,404	559
Printing and binding.....	170	517	176	518	177	517	183	522	184	517	181
Pumps and water wheels.....	12	528	2	543	2	560	2	531	2	515	2
Rubber goods.....	5	131	62	124	62	146	72	149	73	160	75
Salt.....	6	348	25	305	28	262	23	257	24	199	20
Sash, doors, lumber and interior finish	161	1,607	3	1,632	3	1,716	3	1,804	3	1,839	4
Slaughtering and meat packing.....	2	32	1	30	1	30	1	30	1	30	1
Soda and mineral waters.....	11	12	....	12	....	12	....	13	....	16	....
Steel, iron and tin.....	20	4,914	1	5,001	1	5,053	1	5,053	1	4,775	1
Stone (cut, sawed and artificial).....	11	174	....	184	....	208	....	270	....	279	....
Stoves, ranges and furnaces.....	7	238	....	257	....	240	....	254	....	270	....
Strawboards and paper.....	19	1,201	379	1,209	387	1,211	380	1,216	396	1,210	396
Tinware, sheet iron & galvanized ironware.....	11	100	11	106	8	102	11	130	2	142	9
Tobacco (chewing and smoking).....	3	157	134	140	130	140	130	139	130	140	130
Tools.....	5	193	4	193	4	187	4	183	4	181	4
Whips.....	3	48	31	53	34	54	35	52	33	45	29
Wire rods, wire cloth and wire goods..	4	11	....	11	....	11	....	36	....	39	....
Miscellaneous.....	58	812	125	824	123	836	170	858	185	810	187
Totals and averages.....	2,034	33,697	3,857	34,257	3,912	34,975	4,003	35,796	4,002	36,135	4,101

TABLE III_g—MANUFACTURES—VILLAGES.

June.		July.		August.		September.		October.		November.		December.		Monthly Ave.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
15	17	15	17	15	17	15	11	15	11	15	11	15	11	15	10
722	6	564	5	479	....	510	....	492	....	505	....	549	....	680	3
160	40	152	30	99	25	98	25	35	10	26	10	26	10	77	21
151	....	118	....	91	....	38	....	27	....	29	....	40	....	97	....
149	2	148	2	137	2	132	2	126	2	223	2	135	2	135	2
1,273	1	1,285	1	1,445	1	1,520	1	1,509	1	1,360	1	1,295	1	1,248	1
67	35	70	35	75	46	81	48	81	56	81	52	79	53	64	38
41	30	57	39	66	42	67	40	62	40	63	40	65	40	50	34
104	22	105	22	105	17	106	18	101	17	99	17	100	23	101	20
6,258	7	6,297	7	6,348	9	6,366	8	5,946	8	5,486	12	4,732	17	5,696	11
62	4	62	4	62	4	63	4	66	4	68	4	68	4	63	4
101	77	119	113	411	361	549	570	371	517	84	43	42	50	150	155
1,004	32	927	30	858	24	756	21	736	18	809	18	836	20	895	25
657	....	681	....	668	....	704	....	753	....	793	....	840	....	735	....
238	....	239	....	241	....	241	....	245	....	240	....	243	....	239	....
40	1	38	1	39	1	41	1	48	1	49	1	50	1	44	1
291	267	298	270	292	269	287	257	284	273	289	263	270	254	286	264
121	397	115	373	111	374	119	427	125	439	122	443	115	429	116	391
2	3	1	1	1	1	1	1	2	3	2	3	1	2	2	2
2	....	3	1	3	2	1	1	2	4	3	3	2	3	2	2
945	1	930	....	942	....	975	1	966	1	933	1	870	....	920	1
270	483	277	504	284	490	272	490	275	484	269	475	193	410	260	462
208	1	213	1	215	1	205	1	198	1	189	1	149	1	172	1
368	70	333	49	342	47	349	70	343	94	356	97	376	99	371	85
270	179	112	167	262	196	282	193	283	194	285	195	282	199	264	189
....	1	....	1	....	1	....	1	....	1	....	1	....	1	....	1
113	98	50	55	88	68	89	59	85	59	83	60	78	85	92	75
884	2	896	2	905	2	913	2	928	2	925	2	918	2	899	2
2,078	1	2,095	1	2,189	1	2,140	1	2,171	1	2,033	1	1,975	1	2,119	1
1,107	32	1,101	28	1,121	22	1,125	31	1,119	34	1,133	34	1,144	31	1,083	28
155	....	148	....	161	....	166	....	177	....	177	....	180	....	180	....
1,398	72	997	6	1,006	11	1,288	50	1,261	58	1,222	58	1,260	53	1,307	52
11	90	11	90	11	95	12	95	11	85	11	80	11	80	11	88
338	1	342	1	316	1	353	1	301	1	399	1	362	1	355	1
195	20	193	20	190	20	192	20	195	20	206	23	208	23	198	20
391	328	389	327	395	327	402	330	415	330	419	329	413	329	401	329
73	....	78	....	82	....	77	....	63	....	50	....	32	....	57	....
83	....	83	....	84	....	80	....	76	....	72	....	67	....	73	....
199	....	208	....	217	....	222	....	220	....	217	....	220	....	202	....
970	1	948	1	974	1	1,007	1	905	1	935	1	785	1	890	1
85	5	80	5	89	5	104	5	113	5	106	5	101	5	96	5
58	....	71	....	71	....	71	....	70	....	70	....	70	....	64	....
1,087	15	1,094	12	1,141	11	1,121	11	1,087	11	1,055	10	1,064	10	1,101	12
130	1	131	1	131	1	130	1	128	1	127	1	126	1	128	1
721	236	719	252	706	251	727	254	748	276	755	278	763	294	721	261
38	4	39	6	33	4	29	4	31	4	29	4	25	4	34	5
119	10	116	10	118	10	113	10	121	10	122	10	124	10	117	10
11	....	20	....	62	91	92	146	98	153	50	30	26	14	35	38
1,328	585	1,391	572	1,358	537	1,346	560	1,362	562	1,398	598	1,327	603	1,340	554
522	178	518	179	523	179	529	179	536	187	542	192	546	195	526	183
508	2	503	2	462	3	468	3	491	3	495	2	516	2	510	2
167	79	144	84	138	49	127	49	127	45	119	41	124	52	138	62
282	25	297	20	291	21	322	25	350	23	348	24	343	25	300	23
1,816	5	1,780	17	1,839	29	1,784	26	1,783	25	1,719	23	1,589	5	1,742	12
31	1	31	1	31	1	32	1	32	1	32	1	32	1	31	1
17	....	18	....	17	....	15	....	11	....	11	....	11	....	14	....
5,002	1	4,476	1	4,388	1	3,979	1	3,217	1	1,961	1	1,713	1	4,123	1
287	....	279	....	278	....	282	....	267	....	261	....	181	....	246	....
265	....	253	....	240	....	251	....	256	....	238	....	233	....	249	....
1,215	398	1,150	399	1,141	373	1,221	375	1,191	380	1,210	375	1,197	375	1,198	384
148	10	145	11	133	2	142	9	111	2	108	2	98	2	122	7
138	130	140	130	143	130	143	133	144	134	147	133	138	130	143	131
183	4	190	4	188	4	186	4	184	3	177	3	167	3	184	4
50	33	50	33	50	33	49	29	52	31	49	33	51	34	50	33
30	....	26	....	21	....	20	....	15	....	15	....	9	....	20	....
761	139	781	166	777	181	821	201	829	212	844	201	832	201	816	174
36,513	4,182	35,170	4,132	35,699	4,394	35,948	4,807	34,463	4,839	32,142	4,249	30,432	4,202	34,602	4,223

TABLE IIIh—MANUFACTURES—STATE.

Industries.	No. of establishments reported.	January.		February.		March.	
		Males.	Females.	Males.	Females.	Males.	Females.
Advertising novelties and signs.....	19	599	358	607	351	615	367
Agricultural implements.....	54	5,672	115	5,184	100	5,522	102
Awnings, tents and flags.....	24	140	167	148	189	180	240
Bags (paper and burlap).....	9	332	393	331	393	324	394
Baskets.....	10	48	9	48	9	47	9
Bath cabinets.....	2	12	39	12	39	12	34
Bicycles, bicycle sundries and automobiles ..	36	3,361	120	3,592	126	3,789	123
Billiard tables, bar and store fixtures.....	34	1,064	10	1,072	10	1,091	10
Boilers, engines and tanks.....	126	12,664	2	12,967	2	12,981	2
Boots and shoes.....	61	8,710	5,875	6,856	5,858	8,623	5,841
Boxes (paper).....	28	396	1,340	394	1,347	397	1,363
Boxes (wooden).....	58	1,122	308	1,140	310	1,173	325
Bread and other bakery products.....	262	2,257	933	2,268	981	2,302	989
Brick and tile.....	375	9,123	399	9,104	368	9,849	346
Brooms and brushes.....	55	745	196	745	200	750	206
Bungs.....	3	151	.....	148	.....	146	.....
Buttons (pearl).....	2	20	52	20	52	20	52
Canned goods.....	34	115	94	105	92	135	107
Carriages and wagons.....	311	6,779	202	7,188	227	7,585	238
Carriage and wagon materials.....	85	3,591	97	3,707	125	3,716	139
Cars and car furnishings.....	5	786	.....	769	.....	735	.....
Chewing gum.....	8	25	360	25	367	25	377
Churns.....	5	60	1	58	1	53	1
Cigars.....	422	2,810	4,896	2,840	4,977	2,847	5,065
Clothing.....	767	5,648	9,334	5,934	9,695	6,561	10,219
Clothes wringers and washboards.....	3	12	.....	12	.....	14	.....
Coffee, baking powder and spices.....	26	227	264	210	224	223	249
Coffins and burial cases.....	10	831	161	849	161	850	165
Confectionery.....	56	565	571	551	582	554	599
Cooperage.....	94	2,294	1	2,356	2	2,577	2
Copper and brass goods.....	53	2,019	102	2,058	103	2,134	102
Cordage and twine.....	3	819	93	668	86	706	97
Cotton and woolen goods (knit and woven) ..	57	1,038	3,151	1,061	3,213	1,057	3,241
Cutlery and edge tools.....	5	488	90	253	62	323	64
Dairy products.....	78	376	7	383	7	394	7
Dental and surgical chairs.....	3	114	.....	118	.....	118	.....
Drugs, chemicals and druggists' sundries ..	99	1,532	378	1,498	382	1,498	379
Electrical goods and supplies.....	80	4,576	1,391	4,543	1,437	4,682	1,454
Elevators and hoisting machinery.....	9	239	.....	238	.....	248	.....
Extracts, toilet articles and perfumery.....	24	121	82	143	102	146	95
Fertilizers.....	14	288	.....	290	.....	348	.....
Fireworks.....	4	109	10	127	122	123	129
Flouring mill products.....	381	2,700	329	2,686	285	2,651	261
Foundry and machine shop products.....	334	30,063	1,057	30,505	1,084	31,355	1,094
Furniture.....	157	6,333	283	6,457	287	6,622	299
Furs.....	2	5	3	6	3	6	10
Gas and electricity.....	186	2,392	1	2,347	1	2,234	1
Glass works supplies.....	4	210	18	206	17	208	16
Glass and glassware.....	47	8,639	886	8,716	883	8,763	881
Gloves and mittens.....	15	135	547	142	549	142	558
Gun powder and other explosives.....	9	272	20	279	20	289	20
Handles.....	36	599	1	601	1	599	1
Hardware.....	34	3,346	359	3,387	404	3,442	419
Harness and saddlery.....	70	1,154	432	1,163	434	1,167	437
Hats, caps and furnishings.....	31	216	780	202	885	201	881
Hollow-ware.....	2	318	86	323	92	345	91
Ice (artificial).....	55	325	1	393	1	375	1
Inks.....	5	142	2	142	2	142	2
Iron (structural and architectural).....	48	4,114	.....	3,936	.....	4,230	.....
Jewelry and watches.....	24	1,116	551	1,114	550	1,112	555
Leather and leather goods.....	40	1,653	3	1,663	3	1,668	3
Lighting apparatus.....	10	246	68	250	68	245	68
Lime, sand, cement and plaster.....	68	1,696	1	1,662	1	1,950	1
Liquors (distilled).....	43	654	274	653	272	668	265
Liquors (malt).....	105	3,437	8	3,437	8	3,523	8
Lithographing, engraving & electrotyping ..	40	1,106	71	1,155	65	1,155	64
Macaroni.....	3	28	37	28	37	28	37
Machinery.....	249	19,443	79	20,931	76	21,193	74
Malt.....	6	126	.....	127	.....	126	.....
Marble and granite.....	54	638	2	650	2	662	2
Marbles.....	2	21	39	21	39	21	39
Matches.....	2	693	283	692	261	704	264
Mattresses and pillows.....	24	247	151	256	165	276	193

TABLE III.—MANUFACTURES—STATE.

April.		May.		June.		July.		August.		September.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
647	381	635	390	632	373	662	395	681	380	683	406
5,406	90	5,004	90	4,649	80	4,166	83	4,144	80	4,271	78
203	264	236	306	237	315	212	300	181	250	167	201
336	400	341	406	342	411	347	402	342	405	341	409
116	32	188	58	202	48	178	33	124	30	126	35
10	34	10	29	10	29	10	14	13	14	13	14
3,784	117	3,694	103	3,604	94	3,203	83	3,053	76	3,030	82
1,082	10	1,078	10	1,071	10	1,083	10	1,068	10	1,091	10
12,986	2	13,178	2	13,297	2	12,886	2	12,687	2	12,092	2
8,503	5,769	8,557	5,759	8,671	5,874	8,818	5,966	8,803	6,006	8,717	5,913
384	1,374	398	1,387	406	1,397	413	1,441	423	1,445	433	1,431
1,203	329	1,229	328	1,246	338	1,237	343	1,227	345	1,292	341
2,299	984	2,332	998	2,379	1036	2,414	1,018	2,427	1,077	2,445	1,102
11,233	342	12,049	365	12,529	365	12,666	365	12,778	362	12,776	349
758	203	755	194	749	195	729	192	746	197	743	205
144	.....	144	.....	152	.....	149	.....	145	.....	138	.....
20	57	20	47	20	47	18	52	19	55	20	54
129	64	152	63	531	483	327	436	1,924	1,138	2,208	1,393
7,790	256	7,854	254	7,759	235	7,171	217	6,465	185	6,099	176
3,608	129	3,612	132	3,608	130	3,501	117	3,325	87	3,195	57
707	.....	726	.....	782	.....	794	.....	827	.....	833	.....
26	379	25	382	24	420	23	430	23	475	24	424
52	1	49	1	50	1	48	1	49	1	51	1
2,873	5,233	2,911	5,350	2,929	5,601	2,978	5,752	2,935	5,747	2,928	5,809
6,698	10,197	6,666	9,903	6,364	9,933	5,896	9,667	6,190	9,859	6,803	10,425
15	.....	15	.....	14	.....	13	.....	12	.....	12	.....
211	254	213	287	211	210	211	217	210	214	214	219
839	161	840	169	824	169	835	165	861	162	874	158
569	617	571	628	610	649	623	647	631	688	684	740
2,551	2	2,452	2	2,427	2	2,382	1	2,440	1	2,494	2
2,150	99	2,081	103	2,099	94	2,153	91	2,156	93	2,144	92
753	92	674	96	673	90	702	88	577	88	579	78
1,058	3,309	1,044	3,334	1,049	3,354	1,114	3,520	1,146	3,477	1,115	3,429
386	69	423	69	512	70	514	73	522	75	536	74
417	7	424	7	465	7	468	7	469	7	452	7
118	.....	121	.....	120	.....	107	.....	105	.....	114	.....
1,557	381	1,553	390	1,554	350	1,476	348	1,501	352	1,501	372
4,739	1,469	4,809	1,463	4,708	1,493	4,577	1,505	4,660	1,693	4,563	1,683
234	.....	233	.....	230	.....	229	.....	234	.....	238	.....
146	118	141	137	165	146	173	126	174	127	183	136
361	.....	310	.....	304	.....	328	.....	446	.....	490	.....
155	149	173	177	170	187	91	60	120	82	106	74
2,676	269	2,585	240	2,702	229	2,718	267	2,809	289	2,811	397
31,710	1,118	31,610	1,102	31,030	1,029	30,005	1,013	29,975	1,031	29,844	1,026
6,718	305	6,752	312	6,650	319	6,496	316	6,685	314	6,850	334
3	9	3	9	5	9	5	9	5	9	5	16
2,382	2	2,488	2	2,524	2	2,501	2	2,509	3	2,486	3
204	17	183	16	162	14	148	12	156	13	149	13
8,506	890	8,201	897	7,858	795	4,309	518	4,848	578	7,504	732
140	565	135	560	122	563	107	552	121	561	105	569
286	23	287	25	295	27	302	28	306	28	305	30
583	1	578	1	571	1	554	1	528	1	593	1
3,400	418	3,378	410	3,193	328	3,114	323	3,143	324	3,316	352
1,155	434	1,152	430	1,146	425	1,152	429	1,153	421	1,170	422
202	837	195	778	187	558	214	559	246	781	245	878
351	90	368	95	363	93	388	93	386	95	394	93
448	1	555	2	632	2	748	2	726	1	679	1
142	2	142	2	142	1	142	1	142	1	142	1
4,337	.....	4,219	.....	4,287	.....	4,479	.....	4,562	.....	4,765	.....
1,112	551	1,116	556	1,125	559	1,112	554	1,126	553	1,153	555
1,640	3	1,659	3	1,697	3	1,720	4	1,728	4	1,725	4
249	68	239	68	229	62	215	58	217	53	221	53
2,099	1	2,270	1	2,227	2	2,146	2	2,196	2	2,261	2
699	276	681	273	647	352	624	357	626	344	668	340
3,405	10	3,777	13	3,941	13	4,048	15	3,993	15	3,884	11
1,160	62	1,163	64	1,153	61	1,165	61	1,174	59	1,174	65
28	37	28	37	28	37	28	37	28	37	28	37
21,362	75	21,466	76	21,727	82	21,923	80	22,009	78	21,789	80
120	.....	116	.....	24	.....	16	.....	18	.....	61	.....
675	2	697	2	685	2	673	2	682	2	609	2
21	39	21	39	21	39	21	39	21	39	21	39
739	254	685	234	721	236	719	252	706	251	727	254
305	208	308	228	314	233	291	230	302	229	315	234

TABLE IIIh—MANUFACTURES—STATE—Continued.

Industries.	No. of establish- ments reported.	January.		February.		March.	
		Males.	Females.	Males.	Females.	Males.	Females.
Mouldings and frames.....	13	752	10	809	14	849	16
Oil cloth and window shade cloth.....	4	164	38	168	38	175	38
Oil and grease.....	26	2,415	71	2,368	66	2,390	65
Paints and varnishes.....	55	1,083	141	1,118	148	1,150	175
Patterns and models.....	20	212	9	221	9	234	10
Pianos and other musical instruments.....	15	840	18	839	18	843	18
Pickles, preserves and sauces.....	19	174	190	161	174	164	188
Plating.....	10	264	3	264	3	266	3
Plumbing, steam and gas fitting supplies...	28	1,294	7	1,344	10	1,356	7
Pottery and stone ware.....	89	6,280	2,491	6,503	2,565	6,543	2,632
Potters' supplies.....	7	113	42	117	42	118	41
Printing and binding.....	640	7,105	3,433	7,125	3,449	7,079	3,388
Printers' rollers.....	2	5	.....	5	.....	5	.....
Pumps and water wheels.....	32	1,800	11	1,856	11	1,881	11
Regalia.....	8	47	204	47	196	56	225
Roofing (steel, iron and tin).....	29	271	8	281	8	301	8
Rubber goods.....	24	3,227	707	3,546	806	4,217	856
Rugs and carpet cleaning.....	6	69	27	60	24	84	40
Safes, vaults and locks.....	11	1,980	.....	1,981	.....	1,981	.....
Salt.....	8	587	101	515	100	475	94
Sash, doors, lumber and interior finish....	375	7,394	25	7,471	27	7,680	27
Slaughtering and meat packing.....	36	1,632	39	1,543	37	1,495	35
Soap, candles and tallow.....	47	1,428	643	1,434	639	1,458	653
Soda and mineral waters.....	91	340	4	337	4	341	5
Starch.....	2	3	12	3	12	3	12
Steel, iron and tin.....	94	38,370	200	39,381	198	40,522	191
Stencils, stamps and seals.....	16	79	10	79	10	79	10
Stone (cut, sawed and artificial).....	32	1,534	.....	1,330	.....	1,795	1
Stoves, ranges and furnaces.....	89	6,086	24	6,318	22	6,506	25
Strawboards and paper.....	49	3,472	930	3,413	939	3,432	950
Sucker rods.....	2	39	.....	38	.....	39	.....
Tinware, sheet iron & galvanized ironware.	121	3,102	486	3,036	517	3,206	585
Tobacco (chewing and smoking).....	20	1,214	1,025	1,082	1,034	1,079	1,043
Tools.....	88	5,546	74	5,541	79	5,595	79
Trunks and valises.....	16	217	31	220	30	228	31
Umbrellas and parasols.....	5	30	71	32	99	35	113
Whips.....	3	48	31	53	34	54	35
Wire rods, wire cloth and wire goods.....	37	1,655	135	1,596	133	1,643	132
Miscellaneous.....	293	7,400	1,322	7,560	1,355	7,720	1,434
Totals and averages.....	7,961	282,216	50,599	286,342	51,650	294,649	52,855

TABLE IIIh—MANUFACTURES—STATE—Continued.

April.		May.		June.		July.		August.		September.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
860	23	841	23	798	23	784	23	843	23	863	29
163	38	150	38	161	38	165	38	164	38	169	38
2,375	62	2,440	59	2,552	53	2,750	50	2,770	46	2,871	58
1,163	182	1,162	155	1,144	133	1,075	117	1,078	112	1,069	117
226	8	216	8	217	8	214	6	219	9	220	9
839	18	854	18	861	17	871	18	886	19	885	20
172	157	167	197	174	220	163	229	254	316	357	460
256	3	256	2	256	2	265	2	265	2	301	2
1,356	10	1,321	10	1,253	10	1,290	10	1,247	11	1,279	10
6,506	2,638	6,676	2,688	6,550	2,704	6,328	2,506	6,435	2,588	6,586	2,670
115	42	112	45	109	46	99	43	109	45	114	44
7,116	3,356	7,162	3,411	7,133	3,443	7,122	3,421	7,171	3,421	7,219	3,502
5	.....	5	.....	5	.....	5	.....	5	.....	5	.....
1,894	11	1,913	14	1,920	14	1,918	15	1,909	15	1,969	15
60	260	60	263	60	259	54	222	57	210	57	224
314	11	329	11	336	11	344	9	344	9	341	11
4,492	860	4,653	824	4,460	745	4,072	700	3,741	624	3,390	628
99	51	109	62	96	54	87	49	84	46	85	45
1,990	.....	1,969	.....	2,007	.....	1,996	.....	2,056	.....	2,044	.....
484	86	431	77	503	80	545	79	521	76	516	78
8,131	31	8,316	39	8,461	26	8,454	364	8,417	49	8,429	47
1,481	33	1,478	35	1,482	34	1,550	29	1,481	27	1,497	25
1,444	663	1,359	638	1,377	632	1,382	664	1,345	635	1,373	662
364	4	421	6	433	7	456	7	441	7	418	6
36	7	36	7	36	10	36	10	38	12	38	12
40,500	216	41,144	217	41,060	249	39,409	234	40,421	255	38,819	215
79	10	79	9	79	9	78	9	78	9	78	9
2,676	1	2,979	1	3,205	1	3,101	1	3,289	1	3,249	1
6,522	23	6,533	21	6,435	20	6,171	23	6,367	26	6,396	25
3,404	951	3,437	949	3,453	929	3,269	926	3,257	860	3,336	876
38	.....	39	.....	39	.....	35	.....	37	.....	36	.....
3,388	607	3,531	643	3,658	657	3,786	641	3,710	657	3,657	687
1,078	1,031	1,049	1,079	1,077	1,067	913	850	1,228	1,146	1,039	1,014
5,640	79	5,684	78	5,685	76	5,643	76	5,644	76	5,552	76
249	34	251	39	259	34	271	38	284	37	283	35
36	111	32	112	33	108	33	102	39	100	40	105
52	33	45	29	50	33	50	33	50	33	49	29
1,711	137	1,572	151	1,473	144	1,448	139	1,545	148	1,585	145
7,880	1,542	7,866	1,588	7,799	1,560	7,943	1,567	8,065	1,557	8,172	1,632
299,307	53,264	301,634	53,390	301,475	53,770	292,183	52,906	295,883	54,646	297,203	56,086

TABLE IIIh—MANUFACTURES—STATE—Concluded.

Industries.	No. of establishments reported,	October.		November.		December.		Monthly Av ge.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Advertising novelties and signs.....	19	687	421	709	428	701	402	655	388
Agricultural implements..	54	4,075	75	4,187	68	4,437	60	4,726	85
Awnings, tents and flags..	24	161	187	150	189	143	182	180	232
Bags (paper and burlap)..	9	341	411	346	409	345	418	339	404
Baskets.....	10	64	22	50	16	50	13	103	26
Bath cabinets.....	2	13	19	12	19	11	19	12	25
Bicycles, bicycle sundries and automobiles.....	36	3,294	85	3,578	103	3,899	115	3,490	102
Billiard tables, bar and store fixtures.....	34	1,083	10	1,094	10	1,105	10	1,082	10
Boilers, engines and tanks	126	11,740	2	11,275	2	10,986	2	12,478	2
Boots and shoes.....	61	8,620	5,832	8,593	5,843	8,761	5,930	8,669	5,874
Boxes (paper).....	28	436	1,418	444	1,433	424	1,409	412	1,399
Boxes (wooden).....	58	1,335	346	1,291	347	1,204	342	1,225	334
Bread & other bakery products.....	262	2,411	1,112	2,437	1,094	2,377	1,074	2,362	1,033
Brick and tile.....	375	11,712	340	10,679	357	9,157	357	11,138	360
Brooms and brushes.....	55	163	206	757	209	753	209	749	201
Bungs.....	3	141	.....	139	.....	138	.....	145	.....
Buttons (pearl).....	2	19	52	19	52	19	52	19	52
Canned goods.....	34	874	920	263	193	173	171	578	429
Carriages and wagons....	311	6,040	173	6,122	167	2,673	183	6,927	209
Carriage and wagon materials.....	85	3,374	56	3,476	76	3,697	90	3,535	103
Car and car furnishings..	5	839	.....	823	.....	860	.....	790	.....
Chewing gum.....	5	24	400	23	374	23	361	24	396
Churns.....	5	58	1	59	1	60	1	54	1
Cigars.....	423	3,001	5,895	2,989	5,989	2,885	5,693	2,911	5,500
Clothing.....	767	7,010	10,601	6,805	10,341	6,044	9,496	6,385	9,973
Clothes wringers and wash boards.....	3	12	.....	11	.....	11	.....	13	.....
Coffee, baking powder and spices.....	26	220	239	222	237	219	261	216	235
Coffins and burial cases..	10	885	170	822	171	868	168	848	165
Confectionery.....	56	706	789	721	817	699	774	623	675
Cooperage.....	94	2,549	2	2,519	2	2,359	1	2,450	2
Copper and brass goods...	53	2,061	94	1,968	88	1,887	87	2,076	96
Cordage and twine.....	3	653	149	701	181	669	176	681	119
Cotton and woolen goods (knit and woven).....	57	1,086	3,369	1,065	3,304	920	3,126	1,063	3,319
Cutlery and edge tools....	5	527	80	519	81	481	83	457	74
Dairy products.....	78	450	7	446	7	398	7	428	7
Dental and surgical chairs	3	114	.....	113	.....	113	.....	115	.....
Drugs, chemicals & druggists' sundries.....	99	1,500	415	1,547	428	1,548	406	1,522	382
Electrical goods and supplies.....	80	4,471	1,780	4,188	1,800	4,115	1,706	4,553	1,573
Elevators and hoisting machinery.....	9	231	.....	223	.....	223	.....	234	.....
Extracts, toilet articles & perfumery.....	24	185	139	177	130	167	115	160	121
Fertilizers.....	14	318	.....	287	.....	280	.....	338	.....
Fireworks.....	4	103	81	100	78	91	100	122	112
Flouring mill products....	381	2,867	452	2,774	460	2,510	185	2,707	305
Foundry & machine shop products.....	334	29,200	1,052	27,282	998	25,509	979	29,841	1,049
Furniture.....	157	6,940	338	6,929	320	6,815	309	6,687	311
Furs.....	2	5	19	5	19	5	19	4	12
Gas and electricity.....	186	2,523	3	2,416	1	2,370	1	2,431	2
Glass works supplies.....	4	143	12	108	7	116	9	166	14
Glass and glassware.....	47	8,121	887	8,432	867	8,492	865	7,699	806
Gloves and mittens.....	15	101	558	97	543	89	519	120	553
Gun powder & other explosives.....	9	306	29	302	28	292	20	293	25
Handles.....	36	639	1	647	1	613	1	592	1
Hardware.....	34	3,391	389	3,379	389	3,202	346	3,308	372
Harness and saddlery....	70	1,188	427	1,188	430	1,176	425	1,164	429
Hats, caps and furnishings	31	218	755	191	640	191	679	209	747
Hollow-ware.....	2	415	82	381	89	370	89	367	90
Ice (artificial).....	55	522	1	397	1	472	1	523	1
Inks.....	5	142	2	140	1	140	1	142	2
Iron (structural and architectural).....	48	4,631	.....	4,488	.....	4,079	.....	4,344	.....

TABLE IIIh—MANUFACTURES—STATE—Concluded.

Industries.	No. of establishments reported.	October.		November.		December.		Monthly Ave.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Jewelry and watches.....	24	1,149	553	1,152	552	1,157	554	1,129	554
Leather and leather goods..	40	1,723	4	1,695	4	1,701	4	1,689	3
Lighting apparatus.....	10	224	53	232	87	239	87	234	66
Lime, sand, cement and plaster.....	68	2,088	2	1,929	2	1,573	1	2,008	1
Liquors (distilled).....	43	704	340	705	315	667	270	664	306
Liquors (malt).....	105	3,737	11	3,593	10	3,484	10	3,688	11
Lithographing, engraving and electrotyping.....	40	1,173	68	1,177	74	1,189	77	1,162	66
Macaroni.....	3	28	37	28	17	28	37	28	37
Machinery.....	249	21,024	80	19,920	79	19,316	80	21,009	78
Malt.....	6	107	.....	108	.....	109	.....	88	.....
Marble and granite.....	54	550	2	568	2	642	2	644	2
Marbles.....	2	21	39	21	39	21	39	21	39
Matches.....	2	748	276	755	273	763	294	721	261
Mattresses and pillows....	24	315	236	310	231	300	217	294	213
Mouldings and frames....	13	879	28	877	26	829	22	832	22
Oil cloth & window shade cloth.....	4	166	38	129	38	143	38	160	38
Oil and grease.....	26	2,948	73	2,870	78	2,693	69	2,620	63
Faints and varnishes.....	55	1,107	115	1,089	120	1,083	124	1,110	136
Patterns and models.....	20	219	10	209	11	188	11	216	9
Pianos & other musical instruments.....	15	908	21	914	21	911	19	871	19
Pickles, preserves and sauces.....	19	378	474	310	350	243	260	227	268
Plating.....	10	296	2	291	2	275	2	271	2
Plumbing, steam & gas-fitting supplies.....	28	1,268	7	1,228	7	1,218	8	1,288	9
Pottery and stoneware....	89	6,610	2,682	6,634	2,711	6,447	2,655	6,508	2,627
Potters' supplies.....	7	113	46	122	45	121	43	113	44
Printing and binding.....	640	7,290	3,529	7,307	3,558	7,358	3,593	7,182	3,459
Printers' rollers.....	2	5	.....	5	.....	5	.....	5	.....
Pumps and water wheels..	32	1,977	15	1,947	14	1,890	15	1,906	13
Regalia.....	8	61	223	60	220	60	208	57	226
Roofing (steel, iron & tin)..	29	338	9	332	9	265	9	317	9
Rubber goods.....	24	3,224	664	3,241	655	3,299	672	3,795	728
Rugs and carpet cleaning.	6	81	48	75	39	73	35	84	43
Safes, vaults and locks....	11	2,072	.....	2,049	.....	2,042	.....	2,014	.....
Salt.....	8	560	76	608	78	630	85	531	84
Sash, doors, lumber & interior finish.....	375	8,385	46	8,057	45	7,400	35	8,050	36
Slaughtering & meat packing.....	36	1,569	25	1,625	37	1,693	41	1,544	33
Soap, candles and tallow..	47	1,442	705	1,448	704	1,412	672	1,409	660
Soda and mineral waters..	91	368	6	349	6	350	4	385	6
Starch.....	2	40	12	41	12	34	12	29	11
Steel, iron and tin.....	94	35,317	197	28,322	194	28,673	196	37,662	213
Stencils, stamps and seals..	16	78	10	78	10	77	10	78	10
Stone (cut, sawed and artificial).....	32	3,055	1	2,345	1	1,888	1	2,537	1
Stoves, ranges & furnaces.	89	6,407	24	6,158	25	5,947	22	6,321	24
Strawboards and paper....	49	3,341	894	3,352	901	3,322	923	3,374	919
Sucker rods.....	2	36	.....	36	.....	37	.....	37	.....
Tinware, sheet iron & galvanized ironware.....	121	3,538	695	3,419	697	3,257	663	3,441	628
Tobacco (chewing & smoking).....	20	854	1,000	952	972	953	988	1,043	1,020
Tools.....	88	5,515	75	5,297	75	5,149	75	5,541	77
Trunks and valises.....	16	282	38	280	39	260	37	257	35
Umbrellas and parasols...	5	37	107	35	105	33	90	35	102
Whips.....	3	32	31	49	33	51	34	50	32
Wire rods, wire cloth and wire goods.....	37	1,581	147	1,565	142	1,575	137	1,579	141
Miscellaneous.....	293	8,144	1,651	8,053	1,594	7,893	1,556	7,875	1,530
Totals and averages....	7,961	289,670	56,330	275,060	55,122	266,980	53,083	290,217	53,642

TABLE III—MANUFACTURES—BY CITIES.

Cities.	No. of establish- ments reported.	January.		February.		March.	
		Males.	Females.	Males.	Females.	Males.	Females.
Akron.....	162	8,249	1,632	8,610	1,682	9,343	1,703
Alliance.....	29	2,035	66	1,930	67	1,866	72
Ashtabula.....	29	535	57	537	67	545	79
Bellaire.....	27	1,971	201	1,989	205	2,026	208
Bellefontaine.....	30	343	15	331	15	368	21
Bowling Green.....	19	212	41	214	40	194	40
Bucyrus.....	30	848	31	862	36	855	38
Cambridge.....	27	1,025	57	1,339	57	1,391	57
Canal Dover.....	18	1,005	26	1,078	26	1,127	26
Canton.....	117	6,175	828	6,242	891	6,269	922
Chillicothe.....	48	506	199	516	215	552	228
Circleville.....	28	352	82	350	83	363	89
Conneaut.....	20	174	33	170	34	235	38
Coshocton.....	31	716	314	729	302	733	316
Defiance.....	32	650	50	698	68	718	74
Delaware.....	28	338	162	346	167	346	167
East Liverpool.....	65	3,723	1,359	3,841	1,410	3,837	1,451
Elyria.....	39	899	145	896	161	936	159
Findlay.....	66	889	155	896	144	944	171
Fostoria.....	38	863	259	895	256	882	238
Fremont.....	50	1,006	481	766	454	846	466
Galion.....	21	282	28	284	28	301	28
Gallipolis.....	21	188	25	206	25	210	25
Glenville.....	1	120	.....	125	.....	123	.....
Greenville.....	22	213	8	173	13	210	14
Hamilton.....	105	6,396	846	6,388	837	6,481	866
Ironton.....	51	1,896	45	2,209	48	2,335	51
Kenton.....	33	568	72	597	96	633	106
Lancaster.....	40	1,147	377	1,143	375	1,152	382
Lima.....	79	1,661	558	1,725	562	1,793	567
Lorain.....	29	3,738	8	3,771	8	3,838	8
Mansfield.....	82	2,652	637	2,700	651	2,741	698
Marietta.....	73	1,070	85	1,090	102	1,169	108
Marion.....	43	1,672	101	1,754	108	1,876	130
Martins Ferry.....	22	2,024	70	1,894	71	1,869	69
Massillon.....	48	2,503	111	2,517	106	2,628	97
Middletown.....	40	2,051	559	1,986	589	1,962	563
Mt. Vernou.....	22	869	3	924	3	961	3
Nelsonville.....	11	264	2	255	2	288	2
Newark.....	52	2,391	253	2,417	260	2,487	254
New Philadelphia.....	27	396	50	381	56	437	56
Niles.....	24	1,711	106	1,687	117	1,695	119
Norwalk.....	38	528	142	550	144	574	158
Norwood.....	8	405	.....	405	.....	406	1
Painesville.....	24	188	15	188	16	190	17
Piqua.....	64	1,644	355	1,653	349	1,789	342
Portsmouth.....	68	2,977	1,280	3,024	1,282	3,082	1,258
St. Marys.....	21	559	105	562	107	552	107
Salem.....	28	1,436	86	1,438	89	1,447	97
Sandusky.....	100	1,763	459	1,788	464	1,974	479
Sidney.....	31	706	85	736	91	763	97
Springfield.....	140	6,456	541	5,994	522	6,391	535
Steubenville.....	36	4,450	297	4,393	287	4,462	284
Tiffin.....	69	1,218	475	1,208	489	1,214	481
Troy.....	23	545	122	627	137	667	138
Urbana.....	34	540	90	552	88	556	88
Van Wert.....	16	124	78	125	78	139	78
Warren.....	57	1,177	418	1,180	410	1,138	425
Washington C. H.....	22	292	98	290	100	321	101
Wellston.....	12	665	6	636	7	711	7
Wellsville.....	17	808	136	799	136	814	135
Wooster.....	26	354	87	355	85	365	85
Xenia.....	29	1,174	191	1,047	181	1,079	199
Youngstown.....	79	13,504	170	14,113	182	14,503	179
Zanesville.....	89	3,763	904	3,716	875	3,824	862
Totals and averages.....		2,810	111,602	16,277	112,840	16,556	116,526
						16,862	

TABLE III.—MANUFACTURES—BY CITIES.

April.		May.		June.		July.		August.		September.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
9,743	1,710	9,645	1,643	9,662	1,552	9,224	1,540	8,927	1,538	8,659	1,708
1,858	67	1,849	67	1,815	65	1,818	65	1,893	64	1,949	68
536	89	542	83	539	92	537	88	500	86	518	87
2,086	206	2,162	210	2,226	209	2,048	197	1,968	199	2,091	209
365	30	361	30	351	30	307	22	332	22	330	23
216	41	214	43	224	42	213	42	218	42	234	55
867	39	837	41	837	40	814	36	800	48	772	44
1,386	59	1,393	59	1,423	77	1,019	28	1,341	57	1,228	58
1,127	22	1,185	22	1,189	23	1,086	16	1,147	22	1,160	24
6,445	901	6,396	869	6,165	842	5,826	846	5,931	880	5,953	924
594	254	565	253	776	576	587	505	763	561	754	563
374	99	366	106	480	138	430	117	1,494	434	1,593	386
242	47	239	52	252	61	195	45	138	29	156	73
766	335	760	339	681	309	671	326	689	315	742	354
764	81	772	78	740	69	723	72	724	69	724	78
361	169	356	170	355	167	345	160	347	155	360	158
3,829	1,482	3,894	1,489	3,840	1,484	3,574	1,312	3,714	1,430	3,874	1,459
992	160	984	160	988	140	942	129	964	140	922	148
915	188	930	195	938	197	952	133	921	128	944	129
951	269	945	275	941	273	736	216	826	267	956	288
913	471	986	467	1,043	466	1,018	471	1,030	480	1,074	508
319	29	320	29	324	31	351	27	342	25	317	26
212	25	212	25	229	25	217	25	262	25	278	25
122	17	120	22	120	17	115	17	120	17	122	17
240	17	230	22	150	8	147	8	138	8	144	8
6,628	935	6,710	973	6,682	990	6,559	958	6,614	932	6,491	927
2,089	52	1,703	48	1,470	52	1,605	31	1,805	50	1,883	51
630	116	641	108	536	70	517	68	521	63	650	70
1,160	385	962	390	958	392	954	391	941	397	953	398
1,831	660	1,939	726	2,009	797	2,022	823	2,038	777	2,041	793
3,912	9	4,255	9	4,132	9	4,363	8	4,464	8	4,502	9
2,763	721	2,727	748	2,696	811	2,573	832	2,688	827	2,694	853
1,172	115	1,265	89	1,285	145	1,300	145	1,289	143	1,220	140
1,921	142	1,957	157	1,898	171	1,860	174	1,861	182	1,801	177
1,908	79	1,952	76	2,025	77	1,884	57	1,989	62	2,084	61
2,629	68	2,695	63	2,696	68	2,108	88	2,095	87	2,411	88
1,968	568	1,967	620	1,996	602	1,692	371	1,909	680	1,715	556
1,011	4	1,079	6	1,142	7	1,169	7	1,159	7	1,113	7
324	2	318	2	318	2	334	2	340	2	331	5
2,473	246	2,547	246	2,549	243	1,755	247	1,975	242	2,563	239
712	51	838	51	824	50	797	47	678	45	741	69
1,717	128	1,804	134	1,800	136	1,745	121	1,777	138	1,706	140
638	168	672	169	698	165	707	160	656	166	645	163
407	1	407	1	407	1	407	1	408	1	408	1
202	20	217	20	231	21	240	23	235	23	237	20
1,868	347	1,854	351	1,824	352	1,804	350	1,781	348	1,738	352
3,092	1,220	3,213	1,204	3,243	1,261	3,137	1,261	3,163	1,254	3,193	1,223
529	107	537	108	534	108	487	106	513	106	516	107
1,456	101	1,457	109	1,470	116	1,473	112	1,476	116	1,477	110
1,823	493	1,884	499	1,889	501	1,887	488	1,859	481	2,002	513
761	95	778	95	784	90	772	88	737	81	728	89
6,493	471	6,411	481	6,260	470	6,196	441	6,229	431	6,059	470
4,690	284	4,982	287	4,907	279	4,765	192	5,036	181	5,314	255
1,236	468	1,301	493	1,317	491	1,308	497	1,308	491	1,252	481
663	139	623	139	647	138	568	129	531	108	497	84
514	90	530	90	539	96	545	92	553	92	561	99
150	78	137	78	140	78	137	78	147	78	139	78
1,135	445	1,137	438	1,217	429	1,143	431	1,191	461	1,200	458
329	95	356	91	367	96	378	102	379	102	374	106
758	7	796	7	666	6	605	7	613	7	607	7
889	135	923	135	957	135	988	135	846	135	829	133
374	86	380	88	383	84	189	84	191	88	185	89
1,134	188	1,090	194	1,117	192	1,141	200	1,048	200	1,006	184
14,033	167	13,982	175	14,110	174	13,098	168	13,832	190	13,565	183
3,878	869	3,865	898	3,201	896	2,872	893	2,842	888	3,141	882
118,123	17,135	119,154	17,324	118,212	17,716	111,979	16,833	115,245	17,693	116,426	18,073

TABLE III.—MANUFACTURES—BY CITIES—Concluded.

Cities.	No. of establishments reported.	October.		November.		December.		Monthly Ave.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Akron	162	8,492	1,866	8,316	1,890	8,063	1,590	8,911	1,671
Alliance	29	1,896	70	1,743	64	1,790	65	1,870	67
Ashtabula	29	534	99	544	101	548	100	535	86
Bellaire	27	1,972	200	1,720	204	1,803	205	2,005	204
Be lefontaine	30	334	30	338	30	346	25	342	24
Bowling Green	19	229	70	214	43	200	42	215	45
Bucyrus	30	754	45	746	39	744	35	811	39
Cambridge	27	1,198	58	704	58	632	57	1,173	57
Canal Dover	18	1,095	29	1,000	28	911	30	1,093	24
Canton	117	6,071	947	5,910	885	5,856	870	6,103	884
Chillicothe	48	586	298	571	259	557	259	611	347
Circleville	28	597	175	345	97	329	89	589	158
Conneaut	20	162	74	137	29	120	23	185	45
Coshocton	31	774	373	783	377	782	346	736	334
Defiance	32	708	70	679	73	674	52	714	70
Delaware	28	359	178	338	179	334	162	349	166
East Liverpool	65	3,894	1,478	3,917	1,465	3,807	1,396	3,812	1,435
Elyria	39	940	146	950	166	935	167	946	152
Findlay	66	1,000	136	941	109	1,007	105	940	149
Fostoria	38	1,001	329	996	330	1,059	307	921	276
Fremont	50	1,125	521	1,123	518	1,017	521	995	485
Gallon	21	311	25	311	23	239	30	308	27
Gallipolis	21	284	27	275	27	270	25	237	25
Glenview	1	125	.....	125	.....	120	.....	121	.....
Greenville	22	161	8	164	8	196	19	181	12
Hamilton	105	6,444	920	6,318	902	6,150	836	6,488	910
Ironton	51	1,805	50	1,689	48	1,554	45	1,837	48
Kenton	33	662	106	654	106	487	73	591	88
Lancaster	40	958	397	1,161	404	1,194	400	1,057	391
Lima	79	2,066	821	2,036	883	1,903	822	1,922	732
Lorain	29	4,567	9	3,285	9	2,783	8	3,968	8
Mansfield	82	2,593	868	2,241	890	1,893	845	2,580	782
Marietta	73	1,198	139	1,184	139	1,115	143	1,197	124
Marion	43	1,754	170	1,682	161	1,664	160	1,808	153
Martins Ferry	22	2,092	66	1,336	52	1,724	52	1,898	66
Massillon	48	2,400	88	2,420	89	2,271	89	2,448	87
Middletown	40	1,559	545	1,732	537	1,775	550	1,860	561
Mt. Vernon	22	1,064	6	1,036	3	980	3	1,042	5
Nelsonville	11	318	5	351	5	307	5	312	3
Newark	52	2,612	225	2,740	223	2,716	225	2,435	242
New Philadelphia	27	555	64	498	58	422	58	607	55
Niles	24	1,585	145	1,540	141	1,533	141	1,692	130
Norwalk	38	675	162	657	178	651	174	637	162
Norwood	8	409	1	409	1	408	1	407	1
Painesville	24	222	20	225	19	213	15	216	19
Piqua	64	1,764	349	1,713	352	1,567	351	1,750	350
Portsmouth	68	3,137	1,200	2,920	1,242	2,948	1,263	3,094	1,246
St. Marys	21	527	107	541	105	539	104	533	106
Salem	28	1,449	107	1,444	105	1,414	100	1,453	104
Sandusky	100	2,127	516	2,049	522	1,893	527	1,912	495
Sidney	31	720	85	699	88	703	89	740	89
Springfield	140	5,925	479	5,762	476	5,661	498	6,153	485
Steubenville	36	4,505	232	3,748	250	3,955	252	4,601	257
Tiffin	69	1,265	474	1,208	467	1,168	454	1,250	480
Troy	23	490	90	523	101	532	108	576	119
Urbana	34	563	106	569	102	588	103	551	95
Van Wert	16	127	78	126	78	125	78	135	78
Warren	57	1,175	486	1,204	501	1,144	483	1,170	449
Washington C. H.	22	358	106	312	106	308	106	339	101
Wellston	12	582	7	600	7	550	7	649	7
Wellsville	17	725	132	622	132	658	131	821	134
Wooster	26	183	94	183	99	185	91	277	88
Xenia	29	1,024	190	1,012	180	1,016	200	1,074	192
Youngstown	79	12,355	186	10,913	186	10,714	167	13,227	177
Zanesville	89	3,085	881	2,898	887	2,823	883	3,326	885
Totals and averages ..	2,810	112,226	17,964	105,130	17,836	102,573	17,160	113,336	17,286

TABLE IV.

GIVING BY OCCUPATIONS, NUMBER EMPLOYED, AVERAGE NUMBER
OF DAYS WORKED, AVERAGE DAILY WAGES, AVERAGE
YEARLY EARNINGS, AVERAGE HOURS OF DAILY
LABOR FOR THE YEAR 1903.

TABLE IV_a—MANUFACTURES—CLEVELAND.

ADVERTISING NOVELTIES AND SIGNS—2 ESTABLISHMENTS

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Designer.....	1	300	\$2 75	\$825 00	9
Electricians.....	3	300	2 25	875 00	9
Sign writers.....	5	300	2 00	600 00	9

AWNINGS, TENTS AND FLAGS—4 ESTABLISHMENTS.

Blacksmith.....	1	302	2 25	679 50	10
Finisher.....	1	302	2 25	679 50	10
Hangers.....	44	283	2 00	566 00	10
Hostler.....	1	200	1 66	332 00	10
Riggers.....	4	275	2 50	687 50	10
Sail makers.....	12	275	2 50	687 50	10

BAGS (PAPER AND BURLAP)—4 ESTABLISHMENTS.

Back tenders.....	4	300	1 20	360 00	12
Balers.....	2	308	1 50	462 00	10
Beatermen.....	2	308	1 92	591 36	12
Beatermen's helpers.....	4	308	1 56	480 48	12
Bleachers.....	6	300	1 30	390 00	12
Carpenter.....	1	308	2 25	693 00	10
Coaters.....	3	308	1 25	385 00	10
Compositors.....	8	298	1 72	512 56	10
Cutters.....	3	302	1 37	383 74	11.3
Cutters (boys).....	7	300	85	255 00	12
Engineers.....	10	300	2 28	684 00	11.6
Engravers.....	11	295	2 10	619 50	9
Finishers.....	2	300	1 55	465 00	12
Firemen.....	15	299	1 49	445 51	11.7
Foremen.....	11	299	3 46	1,034 54	10
Helper.....	1	300	1 45	435 00	12
Laborers.....	63	296	1 61	476 56	10
Laborers (boys).....	2	308	1 05	323 40	12
Machine hands.....	18	295	2 09	616 55	10.8
Machinist.....	1	308	1 75	539 00	10
Machinist's helper.....	1	308	1 33	409 64	10
Millwright.....	1	300	2 00	600 00	12
Packers.....	14	290	1 75	507 50	10
Pressmen.....	24	293	2 41	706 13	10
Pressmen's helpers.....	3	308	1 25	385 00	10
Stack hand.....	1	308	1 40	431 20	10
Teamsters.....	5	298	1 53	355 94	10.8
Watchmen.....	4	297	1 56	463 32	10

BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—11 ESTABLISHMENTS.

Annealers.....	4	303	2 15	651 45	10.4
Apprentices.....	32	309	91	281 19	10
Assemblers.....	86	299	2 27	678 73	9.4
Bench hands.....	18	291	1 94	564 54	9.8
Blacksmiths.....	26	304	2 31	702 24	9.1
Blacksmiths' helpers.....	25	303	1 79	542 37	9.6
Brazer.....	1	300	2 75	825 00	9.6
Buffers.....	3	302	2 17	655 34	9.8
Carpenters.....	71	308	2 20	677 60	9
Core makers.....	6	308	2 40	739 20	9
Draughtsmen.....	15	303	2 69	815 07	9.1
Engineers.....	2	304	2 95	896 80	10.5
Errand boys.....	2	300	75	225 00	9.5
Firemen.....	2	301	1 87	562 87	10.2
Foremen.....	14	291	3 61	1,050 51	10
Grinders.....	140	288	1 66	478 08	10
Hammermen.....	2	287	2 15	617 05	10
Hardeners.....	4	287	2 00	574 00	10
Helpers.....	27	285	1 17	333 45	10
Laborers.....	111	301	1 58	475 58	9.7
Laborers (boys).....	5	302	1 22	368 44	10

TABLE IV_a—MANUFACTURES—CLEVELAND—Continued.BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—11 ESTABLISHMENTS.
Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Machine hands.....	108	304	\$1 75	\$532 00	10
Machinists.....	261	303	2 57	778 71	9.6
Machinists' helpers.....	223	306	2 12	648 72	9
Mechanics.....	16	220	2 60	572 00	10
Molders.....	22	307	2 65	813 55	9
Packers.....	2	300	1 75	525 00	9.5
Painters.....	49	306	2 43	743 58	9.2
Pattern makers.....	7	308	2 89	890 12	9.2
Platers.....	5	302	2 00	604 00	9.9
Polishers.....	16	302	2 21	667 42	9.8
Pressmen.....	2	300	1 75	525 00	9.5
Rubbers.....	53	308	1 90	585 20	9
Shippers.....	6	303	1 50	454 50	10
Stock hands.....	7	221	1 67	369 07	9.7
Teamster.....	1	310	1 60	496 00	10
Tinners.....	42	307	2 05	629 35	9
Tool makers.....	36	299	3 06	914 94	9.5
Trimmers.....	25	305	2 42	738 10	9.3
Trimmers' helpers.....	12	308	1 80	554 40	9
Watchmen.....	3	293	1 70	498 10	12
Welders (electric).....	19	303	1 70	515 10	10

BILLIARD TABLES, BAR AND STORE FIXTURES—4 ESTABLISHMENTS.

Bench hands.....	27	302	2 25	679 50	10
Cabinet makers.....	15	323	2 60	839 80	9
Engineers.....	2	287	2 62	751 94	9.5
Finishers.....	17	310	2 10	651 00	9.7
Foreman.....	1	275	4 00	1,100 00	9
Glass workers.....	5	300	2 50	750 00	10
Laborers.....	18	305	1 73	527 65	9.9
Machine hands.....	20	317	2 58	817 86	9.5
Metal workers.....	3	300	2 50	750 00	10
Teamsters.....	2	320	1 87	598 40	9
Wood workers.....	15	300	2 50	750 00	10

BOILERS, ENGINES AND TANKS—11 ESTABLISHMENTS.

Apprentices.....	9	296	1 11	328 56	9.8
Blacksmiths.....	63	305	2 69	820 45	9.9
Blacksmiths' helpers.....	3	285	1 85	527 25	10
Boiler makers.....	209	304	2 94	893 76	9.6
Boiler makers' helpers.....	122	303	1 77	536 31	9.6
Calkers.....	18	307	3 00	921 00	10
Carpenters.....	43	307	3 00	921 00	10
Draughtsmen.....	9	307	3 40	1,043 80	8
Engineers.....	5	304	2 28	693 12	9
Foremen.....	3	300	3 50	1,050 00	9
Helpers.....	18	300	2 00	600 00	9
Holders-on.....	60	307	2 25	690 75	10
Iron workers.....	275	307	2 75	844 25	10
Joiners.....	84	307	2 90	890 30	10
Laborers.....	366	305	1 54	469 70	9.8
Machinists.....	174	306	2 76	844 56	10
Machinists' helpers.....	68	307	1 75	537 25	10
Molders.....	66	307	3 00	921 00	10
Molders' helpers.....	54	307	1 50	460 50	10
Painters.....	83	307	1 55	475 85	10
Pattern makers.....	18	317	3 25	1,030 25	10
Riveters.....	120	307	2 75	844 25	10
Rivet heaters.....	77	305	1 50	457 50	9.7
Rivet heaters (boys).....	53	304	80	243 20	9.6

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

BOOTS AND SHOES—3 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bottomers.....	12	300	\$1 60	\$480 00	10
Cutters.....	72	300	1 42	426 00	10
Finishers.....	97	300	1 52	456 00	10
Lasters.....	11	302	1 73	528 50	10
Shipping clerks.....	16	300	1 67	501 00	10
Shoe maker.....	1	300	2 00	600 00	9
Stock room hands.....	34	300	1 46	438 00	10
Turn hands.....	54	300	1 92	576 00	10
Welt hands.....	10	300	1 74	522 00	10

BOXES (PAPER)—4 ESTABLISHMENTS.

Box makers.....	10	302	2 00	604 00	9
Cutters.....	15	304	1 70	516 80	9.6
Engineer.....	1	300	3 00	900 00	12
Engravers.....	3	300	2 41	723 00	8.8
Feeders.....	4	300	1 67	501 00	9
Form maker.....	1	300	2 25	675 00	9
Helpers.....	16	304	1 18	358 72	9.6
Machinists.....	2	300	3 75	1,125 00	9
Pressmen.....	3	300	3 00	900 00	9
Scorers.....	2	300	2 25	675 00	9
Shippers.....	2	300	1 88	564 00	10
Teamster.....	1	305	1 50	457 50	9
Watchman.....	1	300	2 00	600 00	9

BOXES (WOODEN)—14 ESTABLISHMENTS.

Box makers.....	36	281	1 65	463 65	9.7
Cutters.....	13	298	2 25	670 50	10
Engineers.....	8	282	2 27	640 14	10
Filers.....	3	300	2 42	726 00	10
Firemen.....	5	283	1 59	449 97	10.2
Foreman.....	1	223	3 00	669 00	10
Helpers.....	15	276	70	193 20	10
Laborers.....	47	294	1 55	455 70	10
Laborers (boys).....	43	297	88	261 36	10
Machine hands.....	25	294	2 20	646 80	10
Mill hands.....	32	256	2 21	565 76	9.2
Millwright.....	2	272	2 67	726 24	9.5
Nailers.....	38	290	2 22	643 80	10
Nailers' helpers.....	18	303	94	284 82	9.9
Planers.....	4	295	2 10	619 50	10
Sawyers.....	59	293	2 20	644 60	10
Teamsters.....	33	293	1 83	536 19	10
Turners.....	2	289	2 40	693 60	10
Watchmen.....	4	264	1 70	448 80	11.7
Yard hands.....	33	292	1 53	446 76	10

BREAD AND OTHER BAKERY PRODUCTS—19 ESTABLISHMENTS.

Apprentices.....	2	300	1 50	450 00	8
Bakers.....	214	305	2 35	716 75	9
Bench hands.....	14	306	2 00	612 00	9
Clerk.....	1	306	2 00	612 00	10
Coopers.....	2	280	1 75	490 00	9
Drivers.....	47	308	2 39	736 12	10.9
Engineers.....	7	299	2 47	738 53	11.1
Firemen.....	2	306	1 80	550 80	12
Helpers.....	8	306	1 63	498 78	9.1
Hostlers.....	12	306	1 70	520 20	10.8
Laborers.....	51	305	1 78	542 90	10
Laborers (boys).....	2	263	1 00	263 00	9
Machine hands.....	2	280	2 40	672 00	9
Machine hands' helpers.....	2	280	2 00	560 00	9
Machinists.....	2	303	3 00	909 00	10
Oven tenders.....	2	280	2 00	560 00	9

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.
BREAD AND OTHER BAKERY PRODUCTS—19 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Rollers.....	2	280	\$1 50	\$420 00	9
Shipping clerks.....	11	302	2 05	619 10	9.8
Shipping clerks' assistant.....	1	280	1 50	420 00	9
Truckmen.....	8	306	2 10	642 60	10

BRICK AND TILE—14 ESTABLISHMENTS.

Blacksmith.....	1	288	2 50	720 00	10
Brick loaders.....	14	227	2 32	526 64	10.3
Brick makers.....	78	171	2 15	367 65	9.9
Burners.....	36	249	2 70	672 30	11.6
Car loaders.....	14	297	1 94	576 18	10
Carpenter.....	1	288	2 00	576 00	10
Dryer hands.....	6	288	1 83	527 04	9
Dumpers.....	4	187	2 25	420 75	8.7
Engineers.....	21	253	2 59	655 27	10.4
Firemen.....	3	282	2 13	600 66	12
Foreman.....	1	288	2 25	648 00	10
Helpers.....	9	268	1 77	474 36	10.2
Hostlers.....	2	248	1 50	372 00	9
Hoisting machine hand.....	1	300	2 50	750 00	10
Laborers.....	117	265	1 79	474 35	9.9
Laborers (boys).....	6	233	1 00	233 00	9.6
Machine hands.....	44	264	2 17	572 88	9.5
Millwright.....	2	274	2 90	794 60	10
Miners.....	22	264	1 98	522 72	9.5
Molders.....	35	214	2 31	494 34	8.1
Pallet boys.....	4	271	99	268 29	8
Pug mill hands.....	5	241	1 56	375 96	8.8
Sanders.....	3	180	1 80	324 00	8.7
Sanders (boys).....	3	288	1 08	311 04	9
Setters.....	36	262	2 52	660 24	9.3
Shovelers.....	10	222	2 20	488 40	9
Steam shovel hands.....	4	288	2 16	622 08	10
Teamsters.....	65	224	1 94	434 56	10.6
Teamsters (with team).....	8	240	4 25	1,020 00	10
Temperer.....	1	300	1 75	525 00	10
Tossers.....	4	200	2 25	450 00	9
Tuckers.....	16	185	2 23	412 55	8.7
Wheelers.....	24	220	2 26	497 20	9.1

BROOMS AND BRUSHES—5 ESTABLISHMENTS.

Assorters.....	5	300	1 25	375 00	9
Broom makers.....	6	300	2 08	624 00	9.1
Brush makers.....	19	301	1 77	532 77	9.6
Combers.....	3	300	75	225 00	10
Cutter.....	1	300	75	225 00	10
Laborers.....	28	300	1 25	375 00	10
Laborer (boy).....	1	305	1 00	305 00	8
Machine hands.....	14	301	2 00	602 00	10
Sander.....	1	300	1 00	300 00	10
Sewers.....	5	300	1 75	525 00	9

BUTTONS (PEARL)—2 ESTABLISHMENTS.

Cutters.....	8	260	1 85	481 00	8
Driller.....	1	306	1 50	459 00	9.5
Grinders.....	8	285	79	225 15	8.1
Sorter.....	1	306	83	253 98	9.5
Turners.....	2	306	2 50	765 00	9.5

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

CARRIAGES AND WAGONS—27 ESTABLISHMENTS

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentices.....	5	300	\$1 56	\$468 00	9.6
Blacksmiths.....	67	302	2 65	800 30	9.7
Blacksmiths' helpers.....	36	304	1 77	538 08	9.9
Foreman.....	1	300	2 75	825 00	9
Helpers.....	47	302	1 75	528 50	9.6
Laborers (boys).....	2	303	82	248 46	9.5
Letterer.....	1	305	3 00	915 00	9.2
Painters.....	103	302	2 30	694 60	9.5
Painters' helpers.....	2	297	1 37	406 89	9
Porters.....	2	315	2 00	630 00	10
Trimmers.....	21	303	2 74	830 22	9.7
Woodworkers.....	68	302	2 64	797 28	9.7

CARRIAGE AND WAGON MATERIALS—2 ESTABLISHMENTS.

Day hands.....	4	280	1 50	420 00	10
Finishers.....	7	280	1 50	420 00	10
Fitters.....	14	280	1 90	532 00	10
Forgers.....	15	280	1 92	537 60	10
Grinders.....	5	280	1 75	490 00	10
Laborers.....	3	300	2 00	600 00	10
Trimmers.....	4	300	3 00	900 00	10

CHEWING GUM—2 ESTABLISHMENTS.

Box maker.....	1	291	2 75	800 25	9.5
Gum makers.....	2	291	3 13	910 00	9.5
Laborers.....	8	291	2 45	712 95	9.5

CIGARS—41 ESTABLISHMENTS.

Apprentices.....	2	300	1 37	411 00	8
Bunch makers.....	21	250	1 73	432 50	8
Cigar makers.....	268	288	2 16	622 08	8.1
Foremen.....	2	300	2 75	825 00	9
Helpers.....	2	303	1 12	339 36	10
Packers.....	11	277	2 52	698 04	8
Porter.....	1	260	1 66	431 60	8
Rollers.....	2	250	1 10	275 00	8
Stogie makers.....	60	250	2 00	500 00	8
Strippers.....	2	187	68	127 16	9.5

CLOTHING—159 ESTABLISHMENTS.

Bushelmen.....	56	302	2 30	694 60	9.5
Button hole makers.....	2	278	2 50	695 00	9
Coat makers.....	413	298	2 96	882 08	9.4
Clerk.....	1	300	1 50	450 00	9
Cloak makers.....	10	300	3 00	900 00	8
Cutters.....	290	297	2 73	810 81	9
Cutters' assistants.....	9	283	1 32	373 56	8.8
Designer.....	5	289	5 26	1,520 14	9.2
Errand boys.....	1	305	2 50	762 50	9
Examiners.....	6	288	70	201 60	9.8
Finisher.....	5	295	3 62	1,067 90	9
Fitters.....	1	300	1 50	450 00	9
Fireman.....	5	300	2 25	675 00	9
Foreman.....	1	305	2 00	610 00	9
Helpers.....	4	301	3 08	927 08	9.5
Machine hands.....	24	301	1 54	463 54	9.2
Machinist.....	506	304	3 74	1,136 96	9
Machinist's assistant.....	1	281	3 00	843 00	9
Packers.....	1	281	1 50	421 50	9
Porters.....	2	250	2 25	562 50	9
Pressers.....	6	304	1 50	456 00	9.3
Shipping clerks.....	187	298	2 18	649 64	9
	4	285	1 71	487 35	9

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

CLOTHING—159 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Shirt hands.....	14	300	\$2 28	\$684 00	9.4
Skirt makers.....	4	300	1 87	561 00	9.2
Stock hands.....	29	292	1 79	522 68	9
Tailors.....	695	298	3 11	926 73	9.1
Trimmers.....	14	305	3 00	610 00	9.1
Trousers makers.....	119	301	5 55	767 55	9.4
Vest makers.....	85	301	2 38	716 38	9.3

COFFEE, BAKING POWDER AND SPICES—2 ESTABLISHMENTS.

Drivers.....	2	307	1 50	460 50	10
Engineer.....	1	307	2 50	767 50	12
Hostler.....	1	307	2 00	614 00	12
Laborer.....	1	307	1 50	460 50	10
Laborer (boy).....	1	300	50	150 00	9
Mill hands.....	2	307	2 00	614 00	10
Packers.....	3	304	1 50	456 00	9.6
Shipping clerk.....	1	307	2 50	767 50	10

COFFINS AND BURIAL CASES—2 ESTABLISHMENTS.

Blacksmith.....	1	306	2 25	688 50	10
Casket makers.....	30	276	2 20	607 20	10
Casters.....	5	276	2 00	552 00	10
Cloth coverer.....	1	306	2 50	765 00	10
Drivers.....	2	306	1 92	587 52	10
Engineer.....	1	276	2 50	690 00	10
Firemen.....	2	276	1 87	516 12	10
Laborers.....	15	276	1 25	345 00	10
Machinists.....	2	276	2 75	759 00	10
Packers.....	4	276	2 75	759 00	10
Painters.....	9	279	1 99	555 21	10
Platers.....	2	276	2 50	690 00	10
Polishers.....	14	276	2 00	552 00	10
Tinner.....	1	276	2 50	690 00	10
Trimmers.....	9	276	1 75	483 00	10
Undertakers.....	3	306	3 00	918 00	10
Watchmen.....	2	276	1 87	516 12	10
Wood workers.....	2	306	2 00	612 00	10

CONFECTIONERY—9 ESTABLISHMENTS.

Bakers.....	27	365	2 24	817 60	10
Candy makers.....	20	309	2 18	673 62	10
Candy makers (boys).....	14	346	71	245 66	10
Cheese makers.....	21	365	1 66	605 90	10
Cream makers.....	19	365	2 11	770 15	10
Creamery hands.....	3	365	2 00	730 00	10
Coolers.....	2	300	67	201 00	10
Drivers.....	32	362	2 35	850 70	8.4
Engineers.....	3	316	2 94	929 04	10
Fireman.....	1	300	1 50	450 00	10
Foremen.....	5	343	3 90	1,337 70	9.9
Laborers.....	42	321	1 45	465 45	10
Laborers (boys).....	8	365	1 45	164 25	2
Pressman.....	1	300	1 50	450 00	10
Roaster.....	1	300	1 50	450 00	10
Shaker.....	1	300	1 50	450 00	10
Shippers.....	6	300	1 95	585 00	9.6
Watchman.....	1	300	1 50	450 00	10
Weigher.....	1	300	1 15	345 00	10

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

COOPERAGE—5 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Blacksmith.....	1	290	\$2 00	\$580 00	10.7
Coopers.....	69	299	2 00	598 00	9.7
Coopers' helpers.....	6	290	1 75	507 50	10
Engineer.....	1	290	2 50	725 00	10
Fireman.....	1	290	1 50	435 00	10
Foreman.....	2	290	3 00	870 00	10
Laborers.....	37	296	1 50	444 00	9.8
Laborers (boys).....	27	290	.88	255 20	9.7
Machine hands.....	15	292	1 68	490 56	10
Mill hands.....	4	290	1 75	507 50	10
Nailers.....	3	290	2 00	580 00	10
Piece workers.....	80	293	1 60	468 80	10
Saw filer.....	1	290	3 00	870 00	10
Sawyers.....	12	290	2 00	580 00	10
Shipping clerks.....	2	290	1 75	507 50	10
Teamsters.....	17	299	1 68	502 32	10
Watchman.....	1	290	2 00	580 00	10
Yard hands.....	3	290	1 75	507 50	10

COPPER AND BRASS GOODS—18 ESTABLISHMENTS

Apprentices.....	26	253	79	199 87	9
Assemblers.....	11	300	1 81	543 00	9
Bench hands.....	15	300	2 12	636 00	9
Buffers.....	32	297	2 30	683 10	9
Cabinet makers.....	15	300	2 25	675 00	9
Carpenters.....	22	298	2 25	670 50	9
Core makers.....	48	292	1 86	543 12	9.1
Electro plater.....	1	300	1 90	570 00	9.5
Engineers.....	2	255	2 25	573 75	9
Finishers.....	171	292	2 45	715 40	9
Fitters.....	16	304	2 13	647 52	9
Foreman.....	1	260	3 38	878 80	9
Furnace hands.....	6	278	2 25	625 50	9.3
Grinders.....	2	240	2 50	600 00	9
Helpers.....	11	294	1 55	455 70	9
Laborers.....	44	291	1 61	468 51	9
Laborers (boys).....	2	210	1 00	210 00	9
Lacquerers.....	3	314	2 00	628 00	9
Machine hands.....	44	288	1 63	469 44	9.2
Machinists.....	37	300	2 11	633 00	9
Molders.....	95	293	2 33	682 69	9.2
Packers.....	3	300	1 75	525 00	9
Painters.....	3	300	2 00	600 00	9
Pattern makers.....	2	240	2 75	660 00	9
Polishers.....	16	295	2 02	595 90	8.8
Sheet metal workers.....	10	300	2 25	675 00	9
Shipping clerks.....	4	288	1 75	504 00	9
Spinners.....	2	314	2 80	879 20	9
Stock hands.....	3	300	1 75	525 00	9
Tack makers.....	5	300	3 00	900 00	9
Teamster.....	1	306	1 60	489 60	10
Tinners.....	5	298	2 75	819 50	9
Tool makers.....	7	282	3 00	846 00	9

COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—9 ESTABLISHMENTS

Carders.....	21	296	1 38	408 48	10
Clerks.....	2	297	1 89	561 33	10
Combers.....	6	297	1 26	374 22	10
Drawers.....	5	297	1 38	406 86	10
Dressers.....	5	297	2 12	629 64	10
Engineers.....	4	297	2 10	623 70	10
Finishers.....	3	295	1 50	442 50	10
Foremen.....	10	295	3 41	1,005 95	10
Knitters.....	15	286	2 73	780 78	8.4
Knitters (boys).....	10	300	75	225 00	10

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.
COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—9 ESTABLISHMENTS.
Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Laborers.....	162	292	\$1 43	\$417 56	10
Laborers (boys).....	28	304	72	218 88	8.5
Loom fixers.....	12	297	2 07	614 79	10
Machine hands.....	50	296	1 73	512 08	10
Shipping clerks.....	6	297	1 55	460 35	10
Spinners.....	19	296	1 01	298 96	10
Twisters.....	4	297	1 08	320 76	10
Weavers.....	19	299	1 18	352 82	10
Winders.....	2	297	1 08	320 76	10
Wool washers.....	27	297	1 32	392 04	10

DAIRY PRODUCTS—3 ESTABLISHMENTS.

Butter maker.....	1	321	5 00	1,605 00	9
Churners.....	2	321	2 00	642 00	9
Creamery hands.....	14	365	2 00	730 00	9.9
Drivers.....	39	365	1 85	675 25	7.3
Engineers.....	2	321	3 75	1,203 75	9
Hostlers.....	4	365	1 75	638 75	10
Laborers.....	10	351	1 61	565 11	8.9
Milk hand.....	1	321	2 50	802 50	9
Separator.....	1	321	2 50	802 50	9

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—12 ESTABLISHMENTS.

Artificial limb maker.....	1	310	2 00	620 00	9
Blacksmiths.....	4	365	2 50	912 50	10
Blacksmiths' helpers.....	4	365	1 60	584 00	10
Boiler makers.....	2	365	2 65	967 25	10
Boiler makers' helpers.....	2	365	1 60	584 00	10
Boilers.....	10	104	2 29	233 16	12
Bur cutters.....	6	300	2 50	750 00	9
Carpenters.....	22	365	2 42	883 30	10
Carpenters' helpers.....	2	365	1 75	638 75	10
Chemist.....	1	300	3 00	900 00	8
Chemist's assistant.....	1	300	1 10	330 00	8
Clerk.....	1	300	2 00	600 00	8
Distillation hands.....	16	104	2 04	212 16	12
Engineers.....	2	306	2 60	795 60	10
Fireman.....	1	300	2 00	600 00	10
Foreman.....	1	300	3 33	999 00	10
Instrument makers.....	4	300	2 25	675 00	10
Laboratory hands.....	4	104	2 52	262 08	12
Laborers.....	483	321	1 72	552 12	11
Machinists.....	46	308	1 89	582 12	9.1
Machinists' helpers.....	5	365	1 50	547 50	10
Masons.....	14	365	4 30	1,569 50	10
Masons' helpers.....	14	365	1 50	547 50	10
Mixer.....	1	307	2 00	614 00	9
Painters.....	2	365	1 77	646 05	10
Platers.....	2	300	2 50	750 00	9
Pipe fitters.....	2	365	2 75	1,003 75	10
Pipe fitters' helpers.....	2	365	1 50	547 50	10
Plumbers.....	4	365	2 90	1,058 50	10
Plumbers' helpers.....	4	365	1 00	365 00	10
Polishers.....	10	300	2 00	600 00	9.5
Steel turners.....	4	300	1 75	525 00	10
Stillmen.....	4	320	2 16	691 20	12
Tool makers.....	2	300	3 25	975 00	10

ELECTRICAL GOODS AND SUPPLIES—26 ESTABLISHMENTS.

Apprentices.....	43	305	1 10	335 50	9
Armature makers.....	5	285	1 85	527 25	9
Armature winders.....	24	304	2 32	705 28	10
Assemblers.....	143	255	1 43	364 65	9

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.
ELECTRICAL GOODS AND SUPPLIES—26 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bench hands.....	27	307	\$1 71	\$524 97	9.9
Blacksmiths.....	3	305	2 70	823 50	9
Blacksmiths' helpers.....	3	305	1 90	579 50	9
Buffers.....	21	287	2 19	628 53	9
Carbon makers.....	4	293	2 00	586 00	10
Carpenters.....	34	298	2 58	767 84	9.5
Casting cleaners.....	59	305	1 75	533 75	9
Chandelier makers.....	8	285	2 00	570 00	9
Commutator builders.....	6	306	1 58	483 48	10
Coil makers.....	16	300	1 34	402 00	10
Core makers.....	54	305	2 79	850 95	9
Dipper.....	1	285	2 00	570 00	9
Draughtsmen.....	4	306	2 92	893 52	10
Electrical workers.....	23	305	1 50	457 50	9.8
Electricians.....	11	289	2 29	661 81	9.8
Engineers.....	11	284	2 77	786 68	10.8
Field winders.....	2	300	2 25	675 00	10
Filament maker.....	1	204	4 00	816 00	10
Filers.....	2	285	1 75	498 75	9
Finisher.....	1	204	3 00	612 00	10
Firemen.....	13	298	2 05	610 90	11.8
Fitters.....	12	285	2 20	627 00	9
Foremen.....	37	301	3 20	963 20	9.9
Furnace tenders.....	6	300	1 87	561 00	10
Glass worker.....	1	204	5 00	1,020 00	10
Hammermen.....	4	300	2 25	675 00	10
Heaters.....	4	300	1 75	525 00	10
Helpers.....	19	295	1 20	354 00	9.7
Hydraulic pressmen.....	2	300	2 15	645 00	10
Insulators.....	10	306	1 50	459 00	10
Laborers.....	977	302	1 50	453 00	9.6
Laborers (boys).....	4	300	1 15	345 00	10
Lacquers.....	1	285	2 25	641 25	9
Lamp makers.....	10	265	1 70	450 50	10
Machine hands.....	125	279	1 65	460 35	9.9
Machinists.....	218	283	2 39	676 37	9.7
Mantle makers.....	5	200	1 00	200 00	9
Mill hands.....	2	300	1 60	480 00	10
Millright.....	1	300	2 75	825 00	10
Mixers.....	3	300	1 50	450 00	10
Molders.....	160	303	2 81	851 43	9.4
Packers.....	6	265	1 00	265 00	10
Pattern makers.....	23	303	3 25	984 75	9
Platers.....	20	304	1 88	571 52	9.8
Polishers.....	3	308	3 03	933 24	9
Sheet metal worker.....	1	300	2 75	825 00	8
Shipping clerks.....	7	265	2 00	530 00	9.5
Spinners.....	3	285	2 40	684 00	9
Steam fitter.....	1	305	2 75	838 75	9
Stock hands.....	8	274	1 81	495 94	9.7
Switchboard hands.....	8	307	2 25	690 75	10
Teamsters.....	2	305	1 95	594 75	10
Testers.....	15	307	1 75	537 25	10
Tinners.....	23	302	1 91	576 82	9.8
Tool and die makers.....	18	304	2 66	808 64	9.9
Trimmers.....	2	300	1 75	525 00	10
Watchmen.....	10	292	1 82	531 44	11.5
Winders.....	11	336	1 75	588 00	10
Wiremen.....	4	265	2 00	530 00	10

ELEVATORS AND HOISTING MACHINERY—2 ESTABLISHMENTS.

Blacksmith.....	1	310	2 85	883 50	10
Carpenters.....	4	310	2 75	852 50	10
Electricians.....	2	310	2 85	883 50	10
Helpers.....	6	306	1 50	459 00	9
Laborers.....	11	310	1 65	511 50	10
Machinists.....	29	309	2 62	809 58	9.8
Millwright.....	10	309	3 05	942 45	9.8

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

EXTRACTS, TOILET ARTICLES AND PERFUMERY—3 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Drivers.....	2	303	\$1 87	\$566 61	10
Helpers.....	3	306	1 25	382 50	10
Laborers.....	4	306	2 00	612 00	10
Packers.....	3	306	1 00	612 00	10
Porters.....	3	300	1 50	450 00	10

FERTILIZERS—3 ESTABLISHMENTS.

Blacksmiths.....	3	347	2 26	784 22	10
Carpenters.....	4	365	2 50	912 50	10
Engineers.....	4	314	2 62	822 68	10
Firemen.....	4	365	1 80	657 00	10
Foremen.....	7	321	2 14	686 94	10
Laborers.....	142	356	1 59	566 04	10
Machinist.....	1	365	3 50	1,277 50	10
Teamsters.....	14	327	1 90	621 30	10
Watchmen.....	3	365	1 75	638 75	10

FLOURING MILL PRODUCTS—3 ESTABLISHMENTS.

Engineers.....	3	202	2 94	593 88	10
Firemen.....	2	150	2 00	300 00	10
Laborers.....	21	222	1 64	364 08	10
Millers.....	4	150	2 50	375 00	10
Packers.....	11	150	2 00	300 00	10
Teamsters.....	13	242	1 75	423 50	10
Warehouse hand.....	1	306	2 08	636 48	10
Watchman.....	1	150	2 00	300 00	10

FOUNDRY AND MACHINE SHOP PRODUCTS—66 ESTABLISHMENTS.

Aligners.....	4	288	3 00	864 00	10
Apprentices.....	47	297	1 27	377 19	9.9
Assemblers.....	35	296	2 07	612 72	10
Bench hands.....	87	302	1 47	443 94	10
Blacksmiths.....	121	298	2 25	670 50	9.8
Blacksmiths' helpers.....	21	299	1 83	547 17	9.7
Bolt headers.....	69	298	2 98	864 20	9.6
Bolt headers' helpers.....	32	305	2 00	610 00	10
Buffers.....	8	302	3 00	906 00	9
Carpenters.....	60	294	2 52	740 88	10
Chain makers.....	13	300	2 75	825 00	10
Chemists.....	2	300	3 00	900 00	10
Chippers.....	67	283	1 73	489 59	10
Clampers.....	10	281	1 70	477 70	8
Core makers.....	332	291	2 34	680 94	9.9
Core makers' helper.....	1	308	1 50	462 00	10
Crane hands.....	8	258	1 96	505 68	8.7
Cupola tenders.....	13	266	2 08	553 28	9.6
Cutters.....	41	293	1 09	319 37	10
Draughtsman.....	1	280	2 00	560 00	10
Drill hands.....	5	307	1 05	322 35	10
Electricians.....	7	304	2 75	836 00	10.2
Engineers.....	45	292	2 65	773 80	10.7
Feeders.....	49	290	1 00	290 00	10
Finishers.....	3	310	1 75	542 50	9
Firemen.....	5	296	1 75	518 00	10.2
Foremen.....	2	266	2 96	787 36	10
Furnace hands.....	82	297	2 26	671 22	11
Gear cutters.....	8	306	2 30	703 80	10
Grate maker.....	1	300	2 00	600 00	8
Grate maker's helper.....	1	300	1 00	300 00	8
Grinders.....	54	300	1 38	414 00	10
Hammermen.....	14	300	5 00	1,500 00	10
Headermen.....	43	290	2 20	638 00	10
Heaters.....	27	300	2 89	867 00	10
Heaters' helpers.....	50	300	2 00	600 00	10

TABLE IV_a—MANUFACTURES—CLEVELAND—Continued.

FOUNDRY AND MACHINE SHOP PRODUCTS—66 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Helpers.....	341	294	\$1 73	\$508 62	10
Japanners.....	7	281	1 57	441 17	10
Laborers.....	3,809	288	1 54	443 62	10
Laborers (boys).....	89	301	1 16	349 16	9.9
Ladle hands.....	2	222	1 65	366 30	10
Lathe hands.....	1	306	2 00	612 00	10
Machine hand.....	169	301	1 72	517 72	10
Machinists.....	659	299	2 56	765 44	9.9
Machinists' helpers.....	31	315	2 00	630 00	10
Masons.....	10	308	4 25	1,309 00	10
Mechanics.....	58	265	2 03	537 95	8.5
Melters.....	4	286	2 38	680 68	9
Mill hands.....	5	300	1 50	450 00	10
Molders.....	1,940	288	2 84	817 92	9
Molders' helpers.....	60	303	1 58	478 74	10
Mounters.....	10	185	3 00	555 00	9
Nutmakers.....	157	297	2 24	665.28	9.8
Nutters.....	206	295	87	256 65	9.7
Operators.....	61	290	1 73	501 70	10
Packers.....	82	300	1 80	540 00	9.8
Paperers.....	10	285	1 60	456 00	9
Pattern makers.....	50	292	2 92	852 64	10
Piece workers.....	15	270	2 40	648 00	10
Pipe fitters.....	2	308	2 75	847 00	10
Pittmen.....	8	258	2 15	554 70	8.7
Pittmen's helpers.....	5	281	1 80	505 80	8
Platers.....	69	297	1 81	537 57	10
Pointers.....	59	297	1 06	314 82	9.8
Polishers.....	91	299	1 67	499 33	9.8
Press hands.....	83	303	1 83	554 49	9.6
Punchers.....	5	284	2 35	667 40	10
Rammers.....	10	281	2 40	674 40	8
Rammers' helpers.....	10	281	1 80	505 80	8
Rivet makers.....	45	288	2 86	823 68	10.3
Shavers.....	5	282	1 62	456 84	9.6
Shipping clerks.....	31	291	1 70	494 70	10.1
Shovel makers.....	45	304	1 72	522 88	10
Sorters.....	35	300	2 00	600 00	10
Sorters (boys).....	9	298	91	271 18	10
Stoolers.....	10	281	1 75	491 75	8
Structural iron workers.....	77	299	1 65	493 35	10
Teamsters.....	10	300	1 77	531 00	9.9
Temperers.....	3	293	1 70	498 10	10
Threaders.....	158	297	1 06	314 82	9.6
Tool makers.....	17	294	2 98	876 12	10
Trimmers.....	31	305	1 50	457 50	10
Turners.....	11	303	2 30	696 90	9.9
Washer makers.....	14	300	1 05	315 00	10
Watchmen.....	13	291	1 88	547 08	10.5
Weighers.....	2	281	1 75	491 75	10
Welders.....	3	304	1 90	577 60	10
Wrench hands.....	20	285	1 65	470 25	9

FURNITURE—12 ESTABLISHMENTS.

Apprentices.....	3	300	1 00	300 00	9
Bench hands.....	15	297	2 39	709 83	9.5
Cabinet makers.....	22	300	2 22	666 00	8.6
Engineer.....	1	294	2 50	735 00	10
Finishers.....	52	301	1 88	565 88	9.9
Fitters.....	16	300	1 62	487 62	10
Helpers.....	16	300	1 08	324 00	10
Laborers.....	25	297	1 08	463 00	10
Machine hands.....	17	300	2 42	726 00	8.8
Machinist.....	1	294	3 00	882 00	10
Packers.....	3	294	2 00	588 00	10
Painters.....	4	294	1 88	552 72	10

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

FURNITURE—12 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pattern maker.....	1	294	\$3 00	\$882 00	10
Polishers.....	2	300	2 25	675 00	9
Porters.....	6	300	1 50	450 00	10
Teamsters.....	5	300	2 00	600 00	9.8
Tinners.....	12	300	2 50	750 00	9
Trimmers.....	4	300	1 75	525 00	10
Upholsterers.....	68	289	2 11	609 79	10
Watchman.....	1	294	2 00	588 00	12
Wood workers.....	6	300	2 00	600 00	10

GAS AND ELECTRICITY—3 ESTABLISHMENTS.

Blacksmith.....	1	365	3 27	1,193 50	9
Boiler hands.....	25	365	1 86	678 90	9
Chargers.....	24	365	2 40	876 00	12
Coke hands.....	60	365	2 00	730 00	10
Dynamo tenders.....	7	365	2 33	850 45	9
Engineers.....	21	365	2 80	1,022 00	10
Firemen.....	167	365	2 23	813 95	10.5
Foremen.....	19	365	2 76	1,007 40	10
Hostlers.....	2	365	1 93	704 45	9
Joiner.....	1	365	3 50	1,277 50	9
Laborers.....	273	365	1 71	624 15	9.7
Lamp makers.....	5	365	2 32	846 80	9
Lineman.....	29	365	2 52	919 80	9
Machinists.....	14	365	2 05	748 25	9
Meter men.....	39	365	2 26	824 90	9.6
Patrolmen.....	6	365	2 63	959 95	9
Shed hands.....	16	365	1 90	693 50	12
Shop hands.....	30	365	2 25	821 25	10
Stock hands.....	4	365	2 30	839 50	9
Telephone hands.....	2	365	1 30	474 50	9
Time keeper.....	1	365	2 89	1,054 85	9
Trimmers.....	25	365	1 91	697 15	9
Truck hand.....	1	365	2 08	759 20	9
Watchmen.....	2	365	2 00	730 00	9
Wiremen.....	16	365	2 15	784 75	9

GLASS AND GLASSWARE—3 ESTABLISHMENTS.

Bevelers.....	3	300	1 47	441 00	9
Buffer.....	1	300	2 17	651 00	10
Cutters.....	2	300	1 93	579 00	10
Glaziers.....	19	278	2 03	564 34	8.4
Laborer (boy).....	1	300	58	174 00	10
Polisher.....	1	300	1 50	450 00	10
Rougher.....	1	300	2 50	750 00	10
Silverers.....	2	300	2 37	711 00	9.5
Smoother.....	1	300	2 37	711 00	9.5
Teamster.....	1	300	1 50	450 00	9

GUNPOWDER AND OTHER EXPLOSIVES—2 ESTABLISHMENTS

Backsmith.....	1	270	2 50	675 00	8
Engineers.....	2	270	3 50	945 00	10
Firemen.....	7	270	1 96	529 20	10
Laborers.....	16	276	1 50	414 00	8
Machine hands.....	8	285	1 80	513 00	8
Machinists.....	3	285	3 55	1,011 75	8
Mechanics.....	3	270	2 50	675 00	8
Millwright.....	1	270	3 00	810 00	8
Powder makers.....	28	270	2 18	588 60	8
Teamsters.....	8	270	1 79	483 30	10

TABLE IV_a—MANUFACTURES—CLEVELAND—Continued.

HARDWARE—14 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Assemblers.....	12	300	\$0 61	\$183 00	10
Bench hands.....	4	288	2 00	576 00	10
Blacksmiths.....	27	278	2 40	667 20	10
Box makers.....	2	294	1 75	514 50	10
Can makers.....	4	300	1 17	351 00	10
Carpenters.....	2	300	2 25	675 00	10
Core makers.....	34	294	1 25	367 50	10
Countersinkers (boys).....	10	288	75	216 00	10
Drivers.....	2	308	1 75	539 00	10
Engineers.....	6	295	3 34	985 30	9.8
Fireman.....	1	300	1 60	480 00	10
Fitters.....	100	294	1 75	514 50	10
Foremen.....	25	294	3 40	999 60	10
Forgers.....	37	300	2 90	870 00	10
Furnace hands.....	7	294	2 30	676 20	10
Grinders.....	2	200	2 13	426 00	10
Hardware makers.....	45	300	1 60	480 00	10
Helpers (boys).....	8	288	80	230 40	10
Japanner.....	1	305	2 50	762 50	10
Laborers.....	832	294	1 61	473 34	10
Laborers (boys).....	5	300	75	225 00	9.5
Lacquerers.....	2	288	1 85	532 80	10
Lock makers.....	10	300	2 00	600 00	10
Machine hands.....	13	305	2 05	625 25	10
Machinists.....	142	288	2 34	673 92	10
Machinists' helpers.....	3	300	2 00	600 00	10
Metal stampers.....	32	300	1 23	369 00	10
Molders.....	417	295	2 27	669 65	10
Packers.....	7	297	1 78	528 66	10
Painters.....	2	200	1 00	300 00	10
Pattern makers.....	31	293	2 59	758 87	10
Platers.....	7	299	2 51	650 49	10
Platers' helpers.....	3	288	1 00	288 00	10
Polishers.....	61	296	2 03	600 88	10
Porter.....	1	300	1 00	300 00	10
Press hands.....	29	293	1 57	460 01	10
Rolling mill hands.....	12	286	2 10	600 60	10
Shipping clerks.....	8	298	1 51	449 98	9.9
Shipping clerks' helpers.....	3	288	1 45	417 60	10
Tinners.....	5	306	2 60	795 60	8.3
Tool makers.....	25	304	3 03	921 12	10
Watchmen.....	6	295	2 15	634 25	10.2

HARNESS AND SADDLERY—10 ESTABLISHMENTS.

Collar makers.....	2	300	3 00	900 00	9
Fitters.....	5	307	1 85	567 95	10
Harness makers.....	24	300	2 12	636 00	9.9
Harness makers' helper.....	1	300	60	180 00	9
Machine hand.....	1	307	1 75	537 25	10

HATS, CAPS AND FURNISHINGS—7 ESTABLISHMENTS.

Apprentices.....	4	300	90	270 00	9.5
Blockers.....	31	276	1 54	425 04	9
Box makers.....	6	275	1 25	343 75	9
Cap makers.....	21	310	2 20	682 00	9
Cutters.....	7	292	1 75	511 00	9.1
Finishers.....	2	300	70	210 00	9.5
Hatter.....	1	300	3 00	900 00	9
Laborers.....	8	275	1 25	343 75	9
Packers.....	3	275	1 50	412 50	9
Pressers and stampers.....	25	275	1 50	412 50	9

TABLE IVa—MANUFACTURES—CLEVELAND--Continued.

ICE (ARTIFICIAL)—3 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Engineers.....	12	314	\$2 97	\$932 58	12
Fireman.....	13	318	1 92	610 58	12
Foremen.....	1	200	2 50	500 00	12
Laborers.....	28	365	1 86	678 90	11
Oiler.....	1	226	2 00	452 00	12
Pullers.....	5	215	1 80	387 00	12

INKS—2 ESTABLISHMENTS.

Ink makers.....	4	282	1 95	549 90	9
Ink makers' helper.....	1	305	1 25	381 25	9
Paint makers.....	11	275	1 60	440 00	9

IRON (STRUCTURAL AND ARCHITECTURAL)—13 ESTABLISHMENTS.

Apprentices.....	5	281	1 10	309 10	9.2
Blacksmiths.....	56	302	2 05	619 10	9.3
Blacksmiths' helpers.....	1	306	1 75	535 50	10
Boiler makers.....	115	301	1 80	541 80	10
Carpenter.....	1	281	2 50	702 50	9.2
Chippers.....	3	281	1 80	505 80	9.2
Core makers.....	6	291	2 75	800 25	10
Draughtsmen.....	26	304	3 13	951 52	9.1
Electrical workers.....	5	281	1 70	477 70	9.2
Engineers.....	2	293	2 57	753 15	9.6
Fence makers.....	2	150	1 90	285 00	10
Fireman.....	1	281	2 10	590 10	9.2
Foreman.....	1	306	3 00	918 00	10
Foundry hands.....	55	301	1 85	556 85	10
Helpers.....	13	281	1 70	477 70	9.2
Iron workers.....	641	303	1 95	590 85	9.4
Laborers.....	104	296	1 63	482 48	9.9
Machine hands.....	3	281	2 30	646 30	9.2
Machinists.....	268	297	2 38	706 86	9.7
Molders.....	19	291	3 10	902 10	10
Painters.....	41	306	1 76	538 56	9.2
Pattern makers.....	20	282	3 08	868 56	9.8
Punch hand.....	1	306	2 25	688 50	10
Riveters.....	7	302	1 79	540 58	9.9
Riveters' helpers.....	4	306	1 50	459 00	10
Roofers.....	15	285	1 75	498 75	9.5
Teamsters.....	5	303	1 70	515 10	10
Tool makers.....	8	281	2 90	814 90	9.2
Wire workers.....	19	304	2 21	671 84	10

JEWELRY AND WATCHES—3 ESTABLISHMENTS.

Apprentices.....	6	123	50	61 50	9
Engravers.....	4	86	2 75	236 50	9
Jewelers.....	15	222	3 05	677 10	9
Polishers.....	2	86	2 50	215 00	9

LEATHER AND LEATHER GOODS—4 ESTABLISHMENTS.

Beam hands.....	5	301	2 16	650 16	10
Belt makers.....	9	309	2 11	651 99	10
Carriers.....	11	303	2 09	633 27	10
Engineers.....	3	302	2 33	703 66	11.3
Finisher.....	1	306	2 00	612 00	10
Foremen.....	3	300	3 75	1,125 00	10
Japanners.....	14	300	2 17	651 00	10
Laborers.....	9	301	1 52	457 52	10
Machinist.....	1	300	3 00	900 00	10
Shaver.....	1	306	2 00	612 00	10
Splitters.....	4	300	5 00	1,500 00	10
Tackers.....	2	300	2 25	675 00	10

TABLE IV_a—MANUFACTURES—CLEVELAND—Continued.

LEATHER AND LEATHER GOODS—4 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Tanners.....	16	310	\$1 71	\$530 10	10
Teamsters.....	2	303	1 66	502 98	10
Watchman.....	1	300	2 00	600 00	14
Whitener.....	1	306	2 00	612 00	10
Yard hand.....	1	306	1 83	559 98	10

LIME, SAND, CEMENT AND PLASTER—2 ESTABLISHMENTS.

Engineer.....	1	294	2 50	735 00	10
Fireman.....	1	294	2 00	588 00	11
Machine hands.....	3	294	1 88	552 72	10
Laborers.....	27	292	1 62	473 04	10
Plaster mixers.....	2	294	2 00	588 00	10
Teamster.....	1	294	1 75	514 50	10

LIQUORS (MALT)—9 ESTABLISHMENTS.

Apprentices.....	6	309	1 72	531 48	9
Bar tenders.....	5	309	1 60	494 40	9
Blacksmiths.....	5	308	2 85	877 80	8
Bottlers.....	9	304	1 70	516 80	9.2
Bottle washers.....	3	310	1 25	387 50	10
Brewers.....	141	307	2 69	825 82	9
Carpenters.....	22	308	3 09	951 72	8.9
Cellar hands.....	18	308	2 96	911 68	9
Coopers.....	14	308	2 73	840 84	9.3
Drivers.....	138	305	2 81	857 05	9.4
Engineers.....	43	307	2 89	887 23	8.6
Firemen.....	48	308	1 97	606 76	8
Foremen.....	3	253	3 47	877 91	9.3
Harness maker.....	1	308	2 00	616 00	10
Hostlers.....	34	307	2 05	629 35	9.8
Kettle hands.....	2	306	2 77	847 62	9
Laborers.....	31	287	1 70	487 90	9.6
Machinist.....	1	306	2 00	612 00	9
Malt hands.....	13	308	2 14	659 12	10
Painters.....	3	308	2 50	770 00	8
Plumber.....	1	308	3 00	924 00	10
Tinners.....	2	308	2 75	847 00	8
Wash house hands.....	35	309	2 48	766 32	9
Watchmen.....	11	309	2 19	676 71	9.3
Wood worker.....	1	308	2 75	847 00	8

LITHOGRAPHING, ENGRAVING AND ELECTROTYPING—8 ESTABLISHMENTS.

Apprentices.....	9	277	94	260 38	8.8
Artists.....	39	302	3 52	1,063 04	8
Blockers.....	2	270	2 08	561 60	9
Builder.....	1	270	1 50	405 00	9
Caster.....	1	270	1 50	405 00	9
Cutters.....	2	300	2 50	750 00	9
Driver.....	1	270	2 33	629 10	9
Electrotypers.....	20	327	1 83	598 41	9
Engravers.....	55	301	2 39	719 39	8.3
Errand boy.....	1	300	50	150 00	9
Etchers.....	2	300	2 00	600 00	8
Feeders.....	4	300	1 00	300 00	9
Finishers.....	7	280	2 97	831 60	8.6
Floor hands.....	2	290	1 60	464 00	8
Helpers.....	3	290	75	217 50	8
Lithographers.....	25	307	1 85	567 95	9
Molders.....	2	280	3 17	887 60	8.5
Photographers.....	2	300	2 25	675 00	8
Pressmen.....	4	300	2 25	675 00	9
Printers.....	20	307	3 00	921 00	9
Proofer.....	1	300	1 50	450 00	8
Router.....	1	300	2 50	750 00	8
Stone polisher.....	1	300	2 00	600 00	9
Transferers.....	5	300	2 25	675 00	9

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

MACARONI—2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Foreman.....	1	300	\$2 00	\$600 00	10
Laborers.....	7	300	1 50	450 00	10
Macaroni makers.....	18	291	1 50	436 50	10
Shipping clerk.....	1	300	2 00	600 00	10

MACHINERY—44 ESTABLISHMENTS.

Apprentices.....	431	293	1 56	457 08	9.8
Assemblers.....	171	287	2 06	591 22	9.2
Bench hands.....	40	272	1 75	476 00	10
Blacksmiths.....	127	296	2 46	728 16	9.8
Blacksmiths' helpers.....	20	301	1 72	517 72	9.2
Boiler makers.....	56	312	3 05	951 60	10
Bridge workers.....	276	290	1 95	565 50	10
Carpenters.....	71	298	2 54	756 92	9.7
Case hardeners.....	4	277	2 48	686 96	10
Core makers.....	30	309	2 97	917 73	9.6
Crane hands.....	14	305	1 72	524 60	9
Craters.....	19	272	2 00	544 00	10
Draughtsmen.....	180	296	3 50	1,036 00	9.3
Drill hands.....	25	312	1 48	461 76	9
Electrical workers.....	8	306	1 58	483 48	10
Electricians.....	12	304	2 40	729 60	9.1
Elevator hands.....	2	272	1 50	408 00	10
Engineers.....	22	301	2 83	851 83	10.7
Erectors.....	200	290	2 80	812 00	10
Firemen.....	12	301	2 13	641 13	11
Fitters.....	61	306	1 63	498 78	10
Floor hands.....	17	306	2 60	795 60	9
Foremen.....	66	288	3 10	892 80	9.5
Galvanizers.....	3	300	2 50	750 00	9
Helpers.....	530	301	1 57	472 57	9.3
Japanners.....	11	272	2 25	612 00	10
Laborers.....	440	296	1 52	449 92	9.5
Laborers (boys).....	9	298	92	274 16	9.3
Machine hands.....	339	295	2 05	604 75	9.1
Machinists.....	1,695	297	2 62	778 14	9.6
Machinists' helpers.....	67	297	1 71	507 87	9.6
Marble worker.....	1	300	2 50	750 00	9
Masons.....	13	299	4 30	1,285 70	9.4
Mechanical engineers.....	24	305	7 79	2,375 95	8
Melters.....	9	308	2 64	813 12	11.1
Mill hands.....	30	272	1 00	272 00	10
Millwrights.....	13	306	2 81	859 00	9.9
Molders.....	124	309	3 21	991 89	9.6
Pipe fitters.....	5	305	2 26	689 30	9.1
Planers.....	2	300	2 50	750 00	9
Plasterers.....	12	290	4 00	1,160 00	10
Polishers.....	12	272	3 25	884 00	10
Porter.....	1	300	1 00	300 00	9
Press hands.....	3	306	1 25	382 50	9.5
Punch hands.....	2	291	2 40	698 40	10
Riveters.....	6	291	1 75	509 25	10
Road hands.....	19	306	1 53	468 18	10
Shipping clerk.....	1	291	2 50	727 50	10
Stock hands.....	17	274	1 64	449 36	10
Stone dressers.....	2	306	2 50	765 00	10
Structural iron workers.....	65	305	2 26	689 30	9.1
Structural iron workers' helpers.....	34	305	1 52	463 60	9
Sweepers.....	6	272	1 58	429 76	10
Teamsters.....	7	298	2 40	715 20	9.6
Tinner.....	1	291	2 50	727 50	10
Tool makers.....	138	292	2 66	776 72	9.4
Vise hands.....	3	300	2 75	925 00	9
Watchmen.....	15	303	1 93	584 79	11.1
Yard hands.....	99	290	1 79	519 10	10

TABLE IV_a—MANUFACTURES—CLEVELAND—Continued.

MARBLE AND GRANITE—8 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentices.....	2	280	\$1 00	\$280 00	8
Blacksmiths.....	2	258	2 18	562 44	8.5
Carpenters.....	2	235	2 00	470 00	9
Copers.....	3	235	1 90	446 50	9
Cutters.....	45	267	2 74	731 58	8.4
Draughtsmen.....	2	235	3 75	881 25	9
Engineers.....	2	235	2 75	646 25	10
Foreman.....	1	300	3 00	900 00	9
Laborers.....	27	264	1 81	477 84	8.6
Machinist.....	1	235	3 00	705 00	10
Mosaic workers.....	2	235	1 80	423 00	10
Planers.....	4	235	2 15	505 25	9
Polishers.....	30	235	2 13	538 89	8.8
Rubbers.....	13	245	2 00	490 00	9
Setters.....	19	252	3 87	975 24	8
Setters' helpers.....	15	235	1 75	411 25	8
Teamsters.....	2	290	2 00	580 00	9

MATTRESSES AND PILLOWS—3 ESTABLISHMENTS.

Feather hand.....	1	308	1 67	514 36	10
Fillers.....	3	308	2 25	693 00	10
Finishers.....	4	300	2 50	750 00	10
Foremen.....	2	303	2 75	833 25	9.5
Foremen's assistant.....	1	298	1 50	447 00	9
Laborers.....	3	298	1 50	447 00	9
Machine hands.....	4	300	1 75	525 00	10
Mattress makers.....	10	298	1 75	521 50	9
Mattress makers' helpers.....	4	298	1 50	447 00	9
Pickers.....	3	308	1 50	462 00	10
Shipping clerk.....	1	318	2 00	616 00	10
Teamsters.....	3	298	1 75	521 50	9

MOULDINGS AND FRAMES—4 ESTABLISHMENTS.

Composition hands.....	10	294	1 22	358 68	10
Composition ornamenters.....	20	300	1 50	450 00	10
Engineer.....	1	300	2 25	675 00	10
Finishers.....	107	293	1 71	501 03	10
Fitters.....	6	290	1 87	542 30	10
Foremen.....	5	299	2 55	762 45	10
Frame cutter.....	1	281	1 65	463 65	10
Gilders.....	10	281	2 00	562 00	10
Gilders' helpers.....	5	300	1 50	450 00	10
Joiners.....	20	297	1 64	487 08	10
Laborers.....	64	286	1 62	463 32	10
Lumber hands.....	4	281	1 25	351 25	10
Mill hands.....	10	289	1 34	387 26	10
Mounters.....	6	281	1 65	463 65	10
Packers.....	19	294	1 38	405 00	10
Polishers.....	12	281	2 00	562 00	10
Sand paperers.....	4	281	1 50	421 50	10
Sawyers.....	3	281	1 50	421 50	10
Sticker hands.....	4	281	1 75	491 75	10
Teamsters.....	3	286	1 75	500 50	10
Whiting hands.....	2	281	1 60	449 60	10
Whiting hands' helpers.....	4	281	1 25	351 25	10
Wood workers.....	11	300	2 10	630 00	10

OIL AND GREASE—8 ESTABLISHMENTS.

Barrel makers.....	60	297	1 85	549 45	9
Barrel makers (boys).....	16	297	88	261 36	9
Barrel repairers.....	12	297	2 22	659 34	10
Barrel repairers (boys).....	3	297	1 24	368 28	10
Boilermakers.....	44	297	2 90	861 30	9
Boiler men.....	2	333	1 75	582 75	10.5

TABLE IV_a—MANUFACTURES—CLEVELAND—Continued.

OIL AND GREASE—8 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Blacksmiths.....	14	299	\$2 50	\$747 50	9.1
Blacksmiths' helpers.....	10	297	1 60	475 20	9
Can makers.....	40	297	2 00	594 00	10
Can makers (boys).....	57	297	1 00	297 00	10
Canners.....	4	297	1 74	516 78	10
Canners (boys).....	4	297	.82	243 54	10
Candle molders.....	16	297	1 75	519 75	10
Carpenters.....	87	297	1 90	564 30	9
Coopers.....	10	322	2 15	692 30	9.8
Compounders.....	9	298	2 57	765 86	11.1
Engineers.....	10	308	2 96	911 68	11.5
Fillers.....	4	297	.89	264 33	10
Firemen.....	63	298	2 26	673 48	11.7
Foremen.....	2	308	2 50	770 00	10
Grease box makers.....	2	297	1 86	552 42	10
Grease box makers (boys).....	25	297	.83	246 51	10
Grease fillers (boys).....	8	297	.88	261 36	10
Grease makers.....	7	297	2 37	703 89	10
Laborers.....	499	298	1 70	506 60	9.2
Lithographers.....	2	297	3 55	1,054 35	10
Lithograph transferer.....	1	297	4 15	1,232 55	10
Machinists.....	43	297	2 50	742 50	9.5
Machine oil filler.....	1	297	1 95	579 15	10
Masons.....	9	297	4 50	1,336 50	9
Masons' helpers.....	8	297	2 00	594 00	9
Packing-case makers.....	20	297	1 90	564 30	10
Packing-case makers (boys).....	22	297	.82	243 54	10
Painters.....	10	297	1 75	519 75	9
Pipe fitters.....	19	297	1 85	549 45	9.5
Printers.....	32	297	2 08	617 76	9
Pumpers.....	9	304	2 43	738 72	11.7
Shipping clerks.....	22	297	2 25	668 25	10
Stave inspectors.....	4	297	2 00	594 00	10
Stillmen.....	4	314	2 51	788 14	11.7
Still inspector.....	1	297	1 67	495 99	5
Switching crew.....	6	297	2 25	668 25	10
Tank cleaners.....	5	297	1 84	546 48	9
Teamsters.....	251	297	2 01	596 97	10
Tinsmiths.....	12	297	2 25	668 25	9
Treaters.....	8	305	2 74	835 70	9.9
Warehouse hands.....	7	345	2 11	727 95	9
Watchmen.....	9	301	2 25	677 25	12.2

PAINTS AND VARNISHES—16 ESTABLISHMENTS.

Assemblers.....	4	300	1 75	525 00	9.8
Blacksmiths.....	2	277	2 12	587 24	10
Binders.....	2	277	1 66	459 82	9.5
Carpenters.....	9	280	2 42	677 60	9.3
Color makers.....	7	297	2 21	656 37	10
Compositors.....	7	277	3 04	842 08	9.5
Cook.....	1	277	1 75	484 75	10
Coopers.....	4	304	2 19	665 76	9.7
Dryer maker.....	1	300	2 37	711 00	9
Electricians.....	2	277	2 70	747 90	10
Engineers.....	15	287	2 47	708 89	11.1
Feeders.....	12	277	1 66	459 82	9.5
Fillers.....	22	287	1 65	473 55	8
Filterer.....	1	300	1 75	525 00	9
Fireman.....	1	297	2 14	635 58	12
Grinders.....	16	306	1 89	578 34	9.8
Helpers.....	45	289	1 71	494 19	9.7
Laborers.....	222	282	1 69	476 58	9.8
Machine hands.....	40	277	1 75	484 75	10
Machinists.....	20	279	2 54	708 66	9.6

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

PAINTS AND VARNISHES—16 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Machinists' apprentices.....	15	277	\$1 90	\$526 30	10
Melters.....	3	300	3 50	1,050 00	9
Mill hands.....	15	287	2 00	574 00	8
Mixers.....	11	306	1 96	581 40	9.9
Packers.....	28	300	1 59	477 00	9.2
Paint makers.....	11	297	1 76	522 72	10
Pressmen.....	18	277	2 32	642 64	12
Printers.....	2	310	2 08	697 50	10
Samplers.....	9	277	2 25	676 16	9.5
Shipping clerks.....	4	302	2 16	661 38	9.5
Solderers.....	4	277	2 20	609 40	10
Stone dressers.....	2	310	3 00	930 00	10
Teamsters.....	5	308	2 40	739 20	9.3
Testers.....	2	308	1 60	492 80	10
Tinners.....	22	284	1 80	511 20	8.6
Varnish makers.....	27	286	3 47	992 42	9.7
Varnish makers' helpers.....	3	310	1 80	558 00	10
Ware house hand.....	1	308	2 75	847 00	10
Watchmen.....	7	294	1 97	579 18	10.9

PATTERNS AND MODELS—3 ESTABLISHMENTS.

Finisher.....	1	306	2 63	804 78	10
Laborers.....	2	306	1 50	459 00	10
Millwright.....	1	306	2 50	765 00	10
Pattern makers.....	72	293	2 66	779 38	10

PIANOS AND OTHER MUSICAL INSTRUMENTS—2 ESTABLISHMENTS;

Assemblers.....	12	298	2 50	745 00	10
Cabinet makers.....	12	298	2 00	596 00	10
Engineer.....	1	298	2 25	670 50	10
Finishers.....	11	298	2 25	670 50	10
Laborers.....	4	298	1 50	447 00	10
Machine hands.....	8	298	2 50	745 00	10
Organ builders.....	12	302	2 00	604 00	10
Tuners.....	2	298	2 00	596 00	10
Wood carver.....	1	298	3 40	1,013 20	8.5

PLATING—2 ESTABLISHMENTS.

Apprentices.....	3	300	1 15	345 00	9
Buffers.....	3	300	2 33	699 00	9
Helper.....	1	300	75	225 00	9
Platers.....	4	300	2 94	882 00	9
Polishers.....	8	300	2 44	732 00	9

PLUMBING, STEAM AND GAS FITTING SUPPLIES—10 ESTABLISHMENTS.

Assemblers.....	5	300	1 75	525 00	9
Blacksmith.....	1	306	3 00	918 00	9
Buffers.....	10	300	2 50	750 00	9
Chandelier makers.....	20	307	2 00	614 00	9
Cook makers.....	23	284	1 99	565 16	9
Coke makers.....	18	279	1 64	457 56	9.1
Engineers.....	2	263	2 62	689 06	10
Finishers.....	43	287	2 31	662 97	9.1
Fitters.....	10	307	2 00	614 00	9
Foremen.....	7	310	2 95	914 50	8.3
Furnacemen.....	3	300	2 25	675 00	9.3
Helpers.....	6	302	1 17	353 34	9.7
Laborers.....	53	300	1 34	402 00	8.8
Laborers (boys).....	4	302	1 15	347 00	9
Machine hands.....	22	243	2 12	515 16	9.1
Machinists.....	10	305	2 58	786 90	8.8
Metal hands.....	2	291	2 50	727 50	10
Molders.....	27	283	2 33	659 39	9.2

TABLE IV_a—MANUFACTURES—CLEVELAND—Continued.

PLUMBING, STEAM AND GAS FITTING SUPPLIES—10 ESTABLISHMENTS.—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pattern makers.....	2	300	\$3 00	\$900 00	9
Plater.....	1	300	2 50	750 00	9
Platers' helpers.....	3	300	1 25	375 00	9
Polishers.....	36	287	2 37	680 19	9.2
Press hands.....	5	300	1 75	525 00	8
Shipping clerk.....	1	291	1 75	509 25	10
Steam fitters.....	9	296	3 50	1,036 00	8.2
Steam fitters' helpers.....	10	299	1 78	532 22	8
Tester.....	1	291	1 75	509 25	10
Tool makers.....	2	300	3 00	900 00	9
Watchman.....	1	291	1 50	436 50	10

PRINTING AND BINDING—52 ESTABLISHMENTS.

Apprentices.....	34	303	85	257 55	9
Artists.....	7	324	6 00	1,944 00	8.4
Binders.....	97	293	2 23	653 39	9
Binders (boys).....	6	316	81	255 96	9.2
Compositors.....	283	295	2 74	808 30	9.1
Compositors (boys).....	3	305	1 47	448 35	9
Cutters.....	24	306	2 18	667 08	9.1
Die stampers.....	2	307	2 75	844 25	9
Draughtsman.....	1	312	2 00	624 00	4
Editors.....	3	304	4 17	1,267 68	8.3
Electrotype caster.....	1	307	1 58	485 06	9
Electrotype finishers.....	2	307	3 25	997 75	9
Electrotype molder.....	1	307	3 00	921 00	9
Electrotypers.....	8	208	2 00	416 00	9
Elevator hands.....	2	313	1 00	313 00	9
Engineers.....	5	288	2 73	786 24	9.2
Engineers' assistant.....	1	312	2 50	780 00	9
Engravers.....	6	316	3 53	1,115 48	8
Errand boys.....	34	302	1 67	562 34	9.2
Feeders.....	174	203	1 42	288 26	9
Finishers.....	8	306	2 70	826 20	9
Firemen.....	2	294	1 67	490 98	9.5
Foremen.....	5	307	3 32	1,019 24	9.1
Forwarders.....	6	306	2 42	740 52	9
Helpers.....	9	309	1 00	309 00	9
Janitors.....	2	310	1 83	567 30	9.5
Laborers.....	5	208	1 90	395 20	9
Laborer (boy).....	1	281	80	224 80	10
Linotype operators.....	13	309	3 50	1,081 50	8.1
Machinists.....	3	306	3 80	1,162 80	9.3
Nailers.....	9	251	1 35	338 85	9
Make-ups.....	3	312	3 33	1,038 96	8
Packers.....	6	302	93	280 86	9
Planer.....	1	333	2 50	832 50	9
Porters.....	5	290	1 81	524 90	9.4
Pressmen.....	140	301	2 51	755 51	9
Pressmen's assistants.....	3	307	1 36	417 52	9
Proof readers.....	6	297	3 11	923 67	9.2
Rulers.....	22	308	2 95	908 60	9
Shipping clerks.....	6	320	1 71	547 20	9.2
Stereotypers.....	5	312	2 58	804 96	8
Stock hands.....	2	305	1 67	509 35	9
Stone polishers.....	4	306	2 56	783 36	9
Teamster.....	1	307	1 50	460 50	9
Transferers.....	9	313	3 89	1,217 57	9
Watchman.....	1	313	2 00	626 00	10

PUMPS AND WATER WHEELS—2 ESTABLISHMENTS.

Carpenters.....	2	240	2 25	540 00	9
Helper.....	1	240	1 50	360 00	9
Machinists.....	2	302	2 50	755 00	10
Machinists' helpers.....	2	302	1 50	453 00	9
Painters.....	2	240	1 50	360 00	9
Teamster's.....	1	240	1 75	420 00	9

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

ROOFING (IRON, STEEL AND TIN)—4 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Laborers.....	8	253	\$1 75	\$442 75	8
Roofers.....	16	248	2 64	654 72	8
Tinners.....	14	302	2 50	755 00	8
Collar maker.....	1	306	1 17	358 02	9
Foreman.....	1	260	1 66	431 60	10
Weaver.....	1	300	3 50	1,050 00	9

RUBBER GOODS—3 ESTABLISHMENTS.

Collar maker.....	1	306	1 17	358 02	9
Foreman.....	1	260	1 66	431 60	10
Weaver.....	1	300	3 50	1,050 00	9

RUGS AND CARPET CLEANING—2 ESTABLISHMENTS.

Carpet cleaners.....	8	292	2 25	657 00	10
Carpet layers.....	9	296	2 39	707 44	9.6
Drivers.....	9	296	1 78	526 88	9.6
Engineer.....	1	292	2 75	803 00	10
Laborers.....	3	300	1 50	450 00	9
Weavers.....	16	295	1 91	563 45	9.6

SALT—2 ESTABLISHMENTS.

Barrel makers.....	30	363	1 75	635 25	10
Blacksmith.....	1	363	2 50	907 50	10
Carpenters.....	9	357	2 47	881 79	10
Engineers.....	9	363	2 50	907 50	10
Firemen.....	26	360	2 11	759 60	11.8
Foremen.....	6	348	2 58	897 84	10
Laborers.....	135	344	1 50	516 00	10
Machinist.....	1	318	2 25	715 50	10
Pilers.....	2	318	1 75	556 50	10
Pipe fitters.....	8	357	2 50	892 50	10
Sack maker.....	1	363	3 00	1,089 00	10
Watchman.....	1	318	1 75	556 50	12
Water tenders.....	6	363	2 25	816 75	12

SASH, DOORS, LUMBER AND INTERIOR FINISH—23 ESTABLISHMENTS.

Bench hands.....	17	303	2 75	833 25	9.3
Cabinet makers.....	28	296	2 79	825 84	8.6
Carpenters.....	131	305	2 71	826 55	8.7
Engineers.....	5	304	2 65	805 60	10
Finishers.....	3	300	2 80	840 00	8
Firemen.....	2	310	2 00	620 00	10
Floor layers.....	12	300	3 00	900 00	8
Foremen.....	12	301	3 00	903 00	9.5
Helpers.....	16	298	1 59	473 82	8.4
Laborers.....	300	305	1 61	491 05	9.5
Laborers (boys).....	11	305	1 10	335 50	9.5
Machine hands.....	100	299	2 13	636 87	9.5
Machine helpers.....	3	312	1 65	514 80	10
Machinists.....	7	293	2 14	627 02	9
Masons.....	4	307	4 80	1,473 60	8
Mill hands.....	230	298	2 16	643 68	9.2
Pilers.....	2	312	1 75	546 00	10
Talley men.....	44	304	2 27	690 08	9.3
Teamsters.....	176	302	1 85	558 70	9.7
Warehouse hands.....	15	285	1 90	541 50	10
Watchmen.....	3	308	1 68	517 44	10 7
Wood turner.....	1	275	2 25	618 75	9
Wood workers.....	2	265	2 25	596 25	7
Yard hands.....	135	298	1 59	473 82	9.8

TABLE IV^a—MANUFACTURES—CLEVELAND—Continued.

SLAUGHTERING AND MEAT PACKING—8 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Butchers.....	182	305	\$1 72	\$524 60	9.9
Carpenters.....	10	312	2 25	702 00	10
Curers.....	2	271	2 00	542 60	9.5
Engineers.....	21	307	2 54	779 78	10.1
Firemen.....	3	281	1 75	491 75	10.3
Laborers.....	370	311	1 63	506 93	10
Sausage makers.....	13	300	2 25	675 00	9.2
Teamsters.....	10	285	1 90	541 50	10.1
Watchman.....	1	271	1 75	474 25	9.5

SOAP, CANDLES AND TALLOW—6 ESTABLISHMENTS.

Engineer.....	3	285	2 08	592 80	9.7
Hostler.....	1	306	2 00	612 00	10
Laborers.....	10	295	1 65	486 75	9.9
Rendering hands.....	3	306	1 50	459 00	10
Soap makers.....	7	303	1 61	487 83	10
Teamsters.....	10	300	1 97	591 00	9.9
Watchmen.....	2	306	1 50	459 00	14

SODA AND MINERAL WATERS—10 ESTABLISHMENTS.

Bottlers.....	12	305	2 17	661 85	9
Bottle washers.....	13	303	1 25	378 75	8.8
Drivers.....	26	273	2 15	586 95	8.8
Foreman.....	1	313	2 50	782 50	10
Helpers.....	2	302	1 00	302 00	8
Hostlers.....	2	238	1 63	387 94	9
Ice cream maker.....	1	180	2 50	450 00	8
Labelers.....	4	307	54	165 78	10
Laborers.....	4	261	1 87	488 07	9.2

STEEL, IRON AND TIN—8 ESTABLISHMENTS.

Annealers.....	356	295	2 09	616 55	11
Ash wheelers.....	2	283	1 85	523 55	10
Barb fence workers.....	160	301	1 90	571 90	11
Billet hands.....	2	265	2 00	530 00	10
Blacksmiths.....	7	265	2 61	691 65	9.7
Blacksmiths' helpers.....	5	266	1 80	478 80	10
Blast furnace hands.....	465	301	2 04	614 04	11
Bloom hands.....	260	301	2 71	815 71	10.5
Bottom fillers.....	25	284	2 15	610 60	12
Brakemen.....	3	284	2 20	624 80	12
Bricklayers.....	6	250	2 75	629 75	10
Carpenters.....	22	250	2 50	625 00	10
Catchers.....	22	206	3 00	618 00	8.4
Chemists.....	3	284	2 70	766 80	10
Cinder hands.....	2	284	2 15	610 60	12
Clay hand.....	1	284	1 70	482 80	10
Coal wheelers.....	3	260	1 50	390 00	10
Cold rollers.....	14	193	1 43	275 99	10
Conductors.....	2	284	3 10	880 40	12
Copperas hands.....	9	301	1 88	565 88	11
Constructors.....	162	301	2 58	776 58	10
Converters.....	284	301	2 46	740 46	10.5
Door hands.....	2	283	1 60	452 80	10
Doublers.....	18	193	5 95	1,148 35	8
Drag-outs.....	2	265	2 50	662 50	10
Draughtsmen.....	30	301	2 84	854 84	8
Electricians.....	19	299	2 40	717 60	11.4
Engineers.....	28	263	2 62	689 06	11.4
Engineers' assistants.....	4	274	1 94	531 56	12
Finishers.....	4	274	2 60	712 40	10
Firemen.....	30	259	2 15	556 85	10.8
Foremen.....	4	284	3 33	945 72	11
Foundry hands.....	60	301	2 19	659 19	10

TABLE IV_a—MANUFACTURES—CLEVELAND—Continued.

STEEL, IRON AND TIN—8 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Galvanizers.....	172	301	\$2 20	\$662 20	12
Gas makers.....	356	301	2 05	617 07	12
Gas pokers.....	5	260	1 80	468 00	12
Heaters.....	34	227	6 64	1,507 28	8.9
Heaters' helpers.....	14	261	3 86	1,007 46	10
Helpers.....	32	284	2 27	644 68	11.7
Hookers.....	4	265	2 10	556 50	10
Iron carriers.....	14	284	2 53	718 52	12
Iron workers.....	4	298	2 75	819 50	9
Keepers.....	2	284	2 50	710 00	12
Laborers.....	534	242	1 50	363 00	10
Laboratory hands.....	19	301	2 27	683 27	10
Levelers.....	4	283	2 30	650 90	10
Machinists.....	12	225	2 92	657 00	10
Markers.....	4	283	4 00	1,132 00	10
Mason.....	1	260	3 00	780 00	10
Millwright.....	1	265	3 60	954 00	10
Millwright's helper.....	1	265	1 65	437 25	10
Nail makers.....	516	301	2 03	711 03	11
Oilers.....	3	284	1 80	511 20	12
Openers.....	12	193	1 65	318 45	8
Open hearth hands.....	76	301	2 47	743 47	12
Packers.....	207	301	1 70	511 70	11
Picklers.....	10	193	2 01	387 93	10
Puddlers.....	96	261	9 29	2,424 69	10
Risers.....	22	193	2 40	463 20	10
Rod mill hands.....	377	301	3 00	903 00	11
Rollers.....	32	224	11 34	2,540 16	9
Rollers' helper.....	1	265	5 00	1,325 00	10
Roll turners.....	68	259	3 65	945 35	10
Roughers.....	19	272	5 60	1,523 20	10
Scrappers.....	2	284	1 90	539 60	12
Screw hands.....	2	283	5 00	1,415 10	10
Screw hands (boys).....	36	193	1 50	289 50	8
Shipping clerks.....	95	296	1 80	532 80	10
Shearmen.....	42	264	2 54	670 56	9.7
Shearmen's helpers.....	22	260	1 70	442 00	10
Shop hands.....	666	301	2 33	701 33	10
Stackers.....	10	283	1 85	523 55	10
Straighteners.....	96	299	1 87	559 13	10.9
Stranders.....	12	265	4 00	1,060 00	10
Telegraphers.....	10	260	3 65	949 00	10
Tinners.....	89	274	3 13	857 62	10.7
Tongmen.....	4	283	3 50	990 50	10
Top fillers.....	6	284	2 35	667 40	8
Trackmen.....	2	284	1 70	482 80	10
Transfermen.....	4	283	2 30	650 90	10
Water hands.....	8	279	2 17	605 43	11.5
Watchmen.....	3	268	1 75	469 00	12
Weighers.....	2	284	2 15	610 60	12
Wire drawers.....	1,102	301	2 63	791 63	11
Yard hands.....	900	301	1 75	526 75	11

STENCILS, STAMPS AND SEALS—4 ESTABLISHMENTS.

Engraver.....	1	313	2 50	782 50	9
Laborer (boy).....	1	313	65	203 45	9
Printers.....	2	300	2 37	711 00	9
Shipping clerks.....	2	300	1 25	375 00	8
Stamp maker.....	1	300	2 50	750 00	9
Steel cutter.....	1	313	2 50	782 50	9
Stencil cutter.....	1	313	1 50	469 50	9
Stencil makers.....	5	309	2 97	917 73	8.8

TABLE IV_a—MANUFACTURES—CLEVELAND—Continued.

STONE (CUT, SAWED AND ARTIFICIAL)—5 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Blacksmiths.....	47	235	\$2 00	\$470 00	10
Carpenters.....	15	235	2 00	470 00	10
Carvers.....	6	112	3 50	392 00	8
Cutters.....	2	300	2 75	825 00	9.5
Draughtsmen.....	3	300	3 10	930 00	8
Engineers.....	83	235	2 00	470 00	10
Foremen.....	5	235	3 50	832 50	10
Laborers.....	791	238	1 60	380 80	10
Machinists.....	21	235	1 96	460 60	10
Mill hands.....	117	235	1 95	458 25	10
Mixers.....	8	300	1 75	525 00	9.5
Molders.....	7	300	2 00	600 00	9.5
Pattern makers.....	8	300	3 00	900 00	10
Pattern workers.....	8	112	3 00	336 00	9
Platter workers.....	8	112	3 00	336 00	9
Quarrymen.....	703	235	1 82	427 70	10
Teamsters.....	15	235	1 65	387 75	10
Turners.....	19	235	2 30	540 50	10

STOVES, RANGES AND FURNACES—13 ESTABLISHMENTS.

Assemblers.....	54	297	1 72	510 84	10
Bench hands.....	60	295	2 00	590 00	10
Brazers.....	6	295	2 25	663 75	10
Buffers.....	23	290	2 93	849 70	9.3
Burner makers.....	16	296	1 50	444 00	9.5
Carpenters.....	2	300	3 00	900 00	10
Closet makers.....	2	300	2 00	600 00	10
Craters.....	29	301	1 68	505 68	9.7
Drill press hands.....	2	300	1 65	495 00	10
Engineers.....	4	304	2 44	741 76	10.7
Finishers.....	7	300	1 75	525 00	10
Firmen.....	2	305	1 63	497 15	9.5
Fitter.....	1	300	1 80	540 00	10
Foremen.....	14	305	3 03	924 15	10
Formers.....	2	300	1 50	450 00	10
Helpers.....	6	303	3 02	915 06	8.3
Inspectors.....	6	295	1 75	516 25	10
Japanners.....	32	298	1 64	488 72	9.7
Lathe hands.....	10	305	2 40	732 00	9
Laborers.....	541	290	1 52	440 80	9.3
Laborer (boy).....	1	300	60	180 00	10
Machine hands.....	149	297	1 92	570 24	9.7
Machinists.....	12	295	2 96	873 20	9.1
Molders.....	153	281	2 69	755 89	9.7
Mounters.....	146	303	1 80	545 40	9.9
Packers.....	2	300	2 00	600 00	10
Painters.....	4	304	2 19	665 76	9.2
Pattern makers.....	16	296	2 57	760 72	9.8
Platers.....	23	297	2 23	662 31	9.4
Polishers.....	40	297	2 70	801 90	9.5
Pressmen.....	64	305	1 91	582 55	9.8
Range builders.....	66	296	1 75	518 00	9.5
Receivers.....	17	296	1 60	473 60	9.5
Repairers.....	4	307	2 50	767 50	10
Riveters.....	14	300	1 77	531 00	10
Sheet-iron workers.....	9	305	2 50	762 50	9
Shippers.....	19	285	1 72	490 20	9.8
Stock keeper.....	1	305	2 50	762 50	10
Stove makers.....	97	296	1 75	518 00	9.5
Teamsters.....	6	305	1 85	564 25	9.7
Tinners.....	98	299	2 07	618 93	9.5
Tool makers.....	36	302	2 90	875 80	9.6
Varnishers.....	3	300	1 27	381 00	10
Watchmen.....	3	303	1 88	569 64	12

TABLE IV_a—MANUFACTURES—CLEVELAND—Continued.
 TINWARE, SHEET-IRON AND GALVANIZED IRONWARE—18 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentices.....	2	306	\$0 90	\$275 40	8
Blacksmiths.....	1	300	2 85	855 00	10
Enamellers.....	16	300	1 75	525 00	10
Engineers.....	6	299	2 23	666 77	9.9
Foremen.....	21	296	3 07	908 72	9.8
Galvanizers.....	6	365	2 25	821 25	10
Helpers.....	84	305	1 42	433 10	9.7
Jacket can makers.....	15	306	1 66	507 96	10
Laborers.....	186	295	1 52	448 30	9.8
Liners.....	5	300	1 80	540 00	10
Machine hands.....	27	306	1 31	400 86	10
Machinists.....	21	311	2 83	880 13	10
Mechanics.....	18	310	2 70	837 00	8
Mechanics' helpers.....	6	310	2 70	837 00	8
Press hands.....	68	296	1 77	523 92	9.9
Press hands' helpers.....	20	300	1 25	375 00	10
Printer.....	1	306	2 50	765 00	10
Shearmen.....	14	306	1 50	459 00	10
Sheet metal workers.....	17	300	2 42	726 00	9
Shipper.....	1	306	1 75	535 50	10
Slate roofers.....	18	302	3 31	999 62	8
Solderers.....	29	306	1 60	489 60	10
Squeezer.....	1	306	1 70	520 20	10
Stone polishers.....	2	306	1 70	520 20	10
Teamsters.....	2	206	1 75	360 50	10
Testers.....	5	306	1 70	520 20	10
Tinners.....	71	297	2 37	703 89	8.3
Tinners' helpers.....	10	306	1 85	566 10	8
Tinners (boys).....	2	300	1 00	300 00	10
Tool makers.....	10	280	2 55	714 00	9.5
Trimmers.....	8	306	2 12	648 72	10
Watchman.....	1	306	2 01	615 06	11.5

TOOLS—14 ESTABLISHMENTS.

Apprentices.....	6	276	1 55	427 80	9.8
Blacksmiths.....	4	291	3 02	878 82	9.4
Blacksmiths' helpers.....	2	305	2 07	631 35	9
Carpenters.....	3	298	2 84	846 32	9.7
Cutters.....	6	295	2 00	590 00	10
Draughtsmen.....	5	300	6 00	1,800 00	10
Engineers.....	5	305	2 69	820 45	9.8
File cutters.....	7	267	1 50	400 00	10
File grinder.....	1	267	2 00	534 00	10
Foremen.....	22	300	3 85	1,155 00	10
Forgers.....	3	297	2 83	840 51	10
Grinders.....	13	304	2 37	720 48	10
Grinders' helpers.....	4	300	1 75	525 00	10
Helpers.....	17	307	1 18	362 26	10
Laborers.....	510	299	1 56	466 44	9.9
Machine hands.....	205	280	1 87	523 60	10
Machinists.....	420	298	2 33	694 34	9.5
Machinists' helpers.....	2	300	1 50	450 00	10
Pattern makers.....	6	288	2 58	743 04	9.7
Polishers.....	42	279	2 32	647 28	9.8
Rollers.....	3	319	2 50	797 50	10
Saw makers.....	10	300	2 75	825 00	10
Temperers.....	4	304	3 44	1,045 76	10
Turners.....	35	275	2 10	577 50	10
Watchman.....	1	276	2 00	552 00	12

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

TRUNKS AND VALISES—6 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings. 1903.	Average hours of daily labor.
Apprentices.....	4	316	\$0 69	\$218 04	9.7
Bag makers.....	9	309	2 07	639 63	10
Carpenter.....	1	306	2 00	612 00	10
Case makers.....	29	308	2 10	646 80	10
Foreman.....	1	306	3 34	1,022 04	10
Helpers.....	3	300	60	180 00	10
Telescope makers.....	4	310	2 00	620 00	10
Trunk makers.....	33	305	2 00	610 00	10

UMBRELLAS AND PARASOLS—2 ESTABLISHMENTS.

Cutters.....	2	300	2 00	600 00	10
Errand boy.....	1	300	75	225 00	10
Finisher.....	1	300	1 25	375 00	10
Frame makers.....	3	300	75	225 00	10
Handle makers.....	2	300	1 00	300 00	10
Handle mounters.....	3	300	2 00	600 00	10
Shipping clerk.....	1	300	2 00	600 00	10
Umbrella maker.....	1	300	1 50	450 00	9

WIRE RODS, WIRE CLOTH AND WIRE GOODS—14 ESTABLISHMENTS.

Blacksmiths.....	5	265	2 55	675 75	9.6
Blacksmiths' helpers.....	8	300	1 75	525 00	9
Carpenters.....	25	300	2 60	780 00	9.
Coilers.....	3	300	1 75	525 00	9.
Electricians.....	2	300	2 60	780 00	9.
Elevator hand.....	1	300	3 15	945 00	10
Engineer.....	1	300	3 15	945 00	10
Fence builders.....	3	222	2 04	452 88	10
Fence builders' helpers.....	3	198	1 75	346 50	10
Finishers.....	130	300	1 65	495 00	10
Fireman.....	1	300	1 75	525 00	11
Foremen.....	2	288	2 50	720 00	10
Helpers.....	3	280	87	243 60	9.7
Iron workers.....	197	296	2 28	674 88	9.1
Laborers.....	144	292	1 55	452 60	9.2
Laborers (boy).....	1	198	85	168 30	10
Machine hands.....	13	306	1 92	587 52	9.9
Machinists.....	24	300	2 71	813 00	9.2
Mattress makers.....	10	290	1 05	304 50	9.5
Mill hands.....	31	290	1 80	522 00	9.5
Molders.....	45	300	3 10	930 00	9
Molders' helpers.....	35	300	1 75	525 00	9
Painters.....	10	300	2 00	600 00	9
Pattern makers.....	16	300	3 25	975 00	9
Polishers.....	21	300	2 50	750 00	9
Ruler.....	1	306	1 50	459 00	10
Shipping clerk.....	5	300	1 75	525 00	10
Spring bed makers.....	17	292	99	289 08	9.4
Stay makers.....	5	300	1 75	525 00	10
Teamsters.....	9	290	1 62	469 80	10
Watchman.....	1	300	1 50	450 00	12
Wire weavers.....	126	300	2 89	867 00	9
Wire workers.....	6	288	2 00	576 00	9.7

MISCELLANEOUS—27 ESTABLISHMENTS.

Apprentices.....	2	290	75	217 50	10
Assemblers.....	2	313	1 38	431 94	9.7
Blacksmiths.....	3	306	2 50	765 00	10
Blacksmiths' helpers.....	3	306	1 75	535 50	10
Buffers.....	2	316	1 88	594 08	10
Cabinet makers.....	304	306	2 26	691 56	10
Carpenter.....	1	200	2 50	500 00	10
Chemist.....	1	300	3 00	900 00	10

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

MISCELLANEOUS—27 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Chemist's assistants.....	2	268	\$1 50	\$402 00	9.5
Color mixers.....	3	200	3 00	600 00	10
Color mixers' helpers.....	3	200	1 25	250 00	10
Coopers.....	7	320	1 79	572 80	10
Cutter.....	1	200	3 00	600 00	10
Dyers.....	30	306	1 65	504 90	10
Engineers.....	9	275	2 37	651 75	10.3
Erectors.....	3	306	3 00	918 00	10
Errand boys.....	2	295	55	162 55	9.7
Fillers.....	2	306	1 75	535 50	10
Finishers.....	150	306	2 25	688 50	10
Firemen.....	5	296	2 00	592 00	10
Foremen.....	8	267	2 85	760 95	9.7
Helpers.....	8	302	1 80	543 60	10
Instrument makers.....	3	290	2 75	797 50	10
Instrument makers' helper.....	1	290	1 75	507 50	10
Iron straighteners.....	3	306	2 50	765 00	10
Laborers.....	638	288	1 51	434 88	10
Laborers (boys).....	381	294	88	258 72	10
Lock fitters.....	6	306	2 75	841 50	10
Machine hands.....	218	307	2 19	672 33	10
Machine hands (boys).....	2	300	1 00	300 00	9
Machinists.....	23	295	2 46	725 70	10
Malsters.....	5	179	2 00	358 00	9
Mechanics.....	5	300	2 75	825 00	9.3
Millers.....	3	365	2 67	974 55	10
Painters.....	17	281	2 06	578 86	10
Pattern makers.....	2	326	2 37	772 62	10
Pipe coverers.....	7	307	2 25	690 75	10
Platers.....	2	316	2 75	869 00	10
Platers' helper.....	1	306	1 00	306 00	10
Polishers.....	22	262	2 00	524 00	10
Porter.....	1	300	85	255 00	9
Printers.....	5	200	2 25	450 00	10
Printers' helpers.....	5	200	75	150 00	10
Roller makers.....	4	295	2 40	708 00	9
Rubbers.....	2	306	1 75	535 50	10
Safe makers.....	15	306	2 00	612 00	10
Scale maker.....	1	306	2 25	688 50	10
Shipping clerk.....	1	326	2 25	733 50	10
Spinner.....	1	180	1 50	270 00	9
Stillmen.....	2	312	2 00	624 00	10
Tarred felt makers.....	3	312	1 83	570 96	10
Teamster.....	1	300	1 00	300 00	9
Testers.....	4	326	1 75	570 50	10
Tinners.....	2	326	2 00	652 00	10
Tool Maker.....	1	326	3 00	978 00	10
Vault makers.....	8	306	2 40	734 40	10
Warehouse hands.....	9	306	1 72	526 32	10
Watchmen.....	3	308	1 90	585 20	12
Weaver.....	1	180	1 50	270 00	8
Winders.....	2	200	1 00	200 00	10

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

AWNINGS, TENTS AND FLAGS—4 ESTABLISHMENTS

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Awning cutters.....	2	306	\$2 00	\$612 00	10
Awning sewers.....	44	295	1 23	862 85	10
Inspector.....	1	306	1 75	535 50	10
Sail makers.....	2	275	1 50	412 50	10

BAGS (PAPER AND BURLAP)—4 ESTABLISHMENTS

Catchers.....	27	290	72	208 80	10
Inspectors.....	6	308	85	251 80	10
Laborers.....	236	295	70	206 50	10
Packer.....	1	290	75	217 50	10
Press feeders.....	47	294	78	229 32	10
Rag pickers.....	12	300	63	189 00	9

BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—2 ESTABLISHMENTS

Helpers.....	6	308	1 00	308 00	9
Inspectors.....	35	287	80	229 60	10

BOOTS AND SHOES—3 ESTABLISHMENTS.

Finishers.....	3	300	75	225 00	10
Fitters.....	165	300	87	261 00	10
Shoe maker.....	1	300	1 00	300 00	8
Stitchers.....	31	300	1 00	300 00	10
Trimmers.....	33	300	85	255 00	10

BOXES (PAPER)—4 ESTABLISHMENTS.

Box makers.....	150	301	94	282 94	9
Feeder.....	1	300	1 60	480 00	9
Gluers.....	22	300	1 00	300 00	9
Helpers.....	35	307	50	153 50	10
Machine operators.....	75	307	85	260 95	10
Scrappers.....	10	300	1 00	300 00	9

BOXES (WOODEN)—4 ESTABLISHMENTS.

Box makers.....	13	300	88	264 00	9.6
Paperers.....	2	284	88	249 92	9
Trimmers.....	20	306	1 00	396 00	9

BREAD AND OTHER BAKERY PRODUCTS—11 ESTABLISHMENTS.

Bakers.....	19	306	1 67	205 02	9.3
Clerks.....	2	306	1 00	306 00	10
Helpers.....	14	309	77	237 93	9.9
Janitress.....	1	306	67	205 02	6
Packers.....	123	292	70	204 40	9.5

BROOMS AND BRUSHES—4 ESTABLISHMENTS

Brush makers.....	23	301	1 00	301 00	8.9
Draw hands.....	2	300	1 00	300 00	9
Laborers.....	23	301	75	225 75	9
Machine hands.....	8	300	1 00	300 00	9

TABLE IV_a—MANUFACTURES—CLEVELAND—Continued.
BUTTONS (PEARL)—2 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Assorters.....	2	306	\$0 54	\$165 24	9.5
Drillers.....	10	274	73	200 02	8.4
Facers.....	3	306	58	177 48	9.5
Grinders.....	4	306	50	153 00	9.5
Sewers.....	17	274	84	230 16	8.4
Turners.....	16	283	79	223 57	8.8

CARRIAGE AND WAGON MATERIALS—1 ESTABLISHMENT

Machine hands.....	4	300	1 25	375 00	10
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CHEWING GUM—2 ESTABLISHMENTS.

Box makers.....	38	291	1 60	465 60	9.5
Gum makers.....	35	291	1 00	291 00	9.5
Laborers.....	13	291	1 00	291 00	9.5
Wrappers.....	225	291	85	247 35	9.5

CIGARS—33 ESTABLISHMENTS

Banders.....	16	295	50	147 50	9.2
Bunchers.....	42	250	1 45	362 50	8
Cigar makers.....	338	263	1 08	284 04	9
Packers.....	59	284	1 04	295 36	8.8
Pasters.....	3	295	60	177 00	9.2
Rollers.....	87	250	1 65	412 50	8
Strippers.....	142	274	86	235 64	8.3

CLOTHING—90 ESTABLISHMENTS.

Button hole makers.....	5	281	1 20	337 20	8.6
Clerks.....	30	300	1 00	300 00	9
Coat makers.....	13	295	1 69	498 55	9.4
Cutter.....	1	312	1 00	312 00	9
Designers.....	3	295	2 89	552 55	9
Examiners.....	21	290	1 21	350 90	8.9
Finishers.....	468	296	1 40	414 40	9
Folders.....	6	287	83	238 21	9
Forewomen.....	11	291	1 79	520 89	9.1
Helpers.....	121	305	73	222 65	9
Inspector.....	1	275	1 15	316 25	8.5
Janitress.....	1	281	1 00	281 00	9
Laborers.....	33	257	1 50	385 50	8
Machine hands.....	1,499	295	1 23	362 85	8.9
Pressers.....	10	285	1 03	293 55	9
Seamstresses.....	126	301	1 06	319 06	8.8
Shirt makers.....	49	300	1 49	447 00	8.6
Skirt makers.....	146	304	1 07	325 28	9.7
Tailoresses.....	175	305	1 43	436 15	9
Trimmers.....	6	282	2 54	716 28	8.5
Trousers makers.....	20	306	1 78	544 68	9.5
Vest makers.....	40	303	1 74	527 22	9.4

COFFEE, BAKING POWDER AND SPICES—1 ESTABLISHMENT.

Labelers.....	7	307	75	230 25	10
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COFFINS AND BURIAL CASES—1 ESTABLISHMENT

Laborers.....	33	276	60	165 60	10
Trimmers.....	8	276	1 00	276 00	10

TABLE IV_a—MANUFACTURES—CLEVELAND—Continued.

CONFECTIONERY—9 ESTABLISHMENTS

Occupation - Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bakers.....	11	365	\$1 00	\$365 00	10
Candy makers.....	28	347	80	277 60	10
Clerks.....	28	343	90	308 70	9.6
Chocolate dippers.....	31	318	95	304 28	9.3
Forewomen.....	6	349	1 81	631 69	11
Janitress.....	2	350	1 25	437 50	10
Laborers.....	57	349	96	335 04	10
Labelers.....	6	308	70	215 60	9.7
Packers.....	13	301	87	261 87	10
Wrappers.....	32	300	97	291 00	10

COPPER AND BRASS GOODS—3 ESTABLISHMENTS

Apprentices.....	4	210	50	105 00	9
Core makers.....	4	232	69	160 08	9
Packers.....	6	300	1 00	300 00	9
Tack feeders.....	6	300	1 00	300 00	9

COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—8 ESTABLISHMENTS.

Clerks.....	3	297	98	291 06	10
Combers.....	19	297	70	207 90	10
Doublers.....	7	297	50	148 50	10
Drawers.....	56	297	65	193 05	10
Examiners.....	15	297	86	255 42	10
Finishers.....	125	302	91	274 82	9.2
Folders.....	13	300	75	225 00	9
Knitters.....	227	287	84	241 08	9.4
Laborers.....	75	302	68	205 36	8.7
Menders.....	43	297	81	240 57	10
Rag sorters.....	98	292	90	262 80	9.1
Pickers.....	65	297	60	178 20	10
Sewers.....	85	302	1 14	344 28	9.3
Spinners.....	97	297	63	187 11	10
Trimmers.....	73	302	1 51	456 02	9.2
Twisters.....	34	297	71	210 87	10
Warpers.....	33	297	73	216 81	9.9
Weavers.....	256	296	1 17	346 32	10
Winders.....	121	299	85	254 15	9.9

DRUGS, CHEMICALS AND DRUGGISTS SUNDRIES—1 ESTABLISHMENT.

Laborers.....	4	300	75	225 00	8
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ELECTRICAL GOODS AND SUPPLIES—16 ESTABLISHMENTS.

Assemblers.....	11	257	1 00	257 00	9.4
Coil tapers.....	6	305	1 50	457 50	9.5
Cutters.....	5	300	1 00	300 00	10
Electrical workers.....	6	305	1 25	381 25	9
Filament makers.....	10	204	1 10	224 40	10
Finishers.....	67	256	1 10	281 60	10
Glass workers.....	24	204	1 10	224 40	10
Labelers.....	7	293	1 00	293 00	10
Laborers.....	89	304	1 12	340 48	10
Lacquerers.....	4	285	1 00	285 00	8
Lamp makers.....	254	265	1 12	296 80	10
Lamp testers.....	15	265	1 00	265 00	10
Machine hands.....	35	268	1 00	268 00	8
Mantle makers.....	5	200	1 75	150 00	9
Packer.....	1	300	1 00	300 00	8
Sorters.....	3	300	1 00	300 00	10
Stock keepers.....	5	265	1 00	265 00	10
Winders.....	12	307	1 85	260 95	10
Wrappers.....	2	285	1 00	285 00	8

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

EXTRACTS, TOILET ARTICLES AND PERFUMERY—3 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bottlers.....	4	300	\$0 75	\$225 00	10
Helpers.....	19	306	65	198 00	8.6
Packers.....	3	306	84	257 04	

FOUNDRY AND MACHINE SHOP PRODUCTS—9 ESTABLISHMENTS.

Assemblers.....	2	298	70	208 60	10
Assorters.....	58	292	52	151 84	10
Cutters.....	25	293	90	263 70	10
Japaners.....	2	298	70	208 60	10
Laborers.....	15	297	85	252 45	10
Machine hands.....	100	275	78	214 50	8.8
Nutters.....	75	296	89	263 44	9.8
Packers.....	108	238	73	173 74	9.6
Piece workers.....	32	270	75	202 50	10
Painters.....	21	293	92	269 56	10
Tackers.....	2	295	1 25	368 75	8
Tappers.....	3	293	75	219 75	10
Threaders.....	5	280	75	210 00	10

FURNITURE—4 ESTABLISHMENTS.

Painters.....	2	294	1 04	305 76	10
Seamstresses.....	2	297	1 00	297 00	8.5
Upholsterers.....	2	303	1 00	303 00	9

GUNPOWDER AND OTHER EXPLOSIVES—1 ESTABLISHMENT.

Machine hands.....	15	285	80	228 00	8
Rollers.....	8	285	80	228 00	8

HARDWARE—6 ESTABLISHMENTS.

Box makers.....	18	294	1 35	396 90	9
Laborers.....	27	301	1 00	301 00	10
Packers.....	155	294	1 02	299 88	9.1
Platers.....	2	300	1 00	300 00	10
Press hands.....	17	286	1 15	328 90	10

HARNESS AND SADDLERY—1 ESTABLISHMENT.

Machine hand.....	1	300	1 50	450 00	10
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HATS, CAPS AND FURNISHINGS—7 ESTABLISHMENTS.

Box makers.....	2	275	75	206 25	9
Cap makers.....	15	301	1 51	454 51	8.2
Laborers.....	8	275	1 00	275 00	9
Liners.....	3	310	1 00	310 00	9.5
Machine hands.....	75	278	1 00	278 00	9
Packers.....	6	310	67	207 70	9.5
Trimmers.....	1	300	1 00	300 00	8

ICE (ARTIFICIAL)—1 ESTABLISHMENT.

Janitresses.....	2	365	1 50	547 50	10
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INKS— 1 ESTABLISHMENT.

Paint makers.....	2	275	1 00	275 00	8
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LIQUORS (MALT)—2 ESTABLISHMENTS.

Bottlers.....	2	306	75	229 50	9
Labeler.....	1	310	1 00	310 00	10

TABLE IV^a—MANUFACTURES—CLEVELAND—Continued.
LITHOGRAPHING, ENGRAVING AND ELECTROTYPING—2 ESTABLISHMENTS.

Occupation -- Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Helpers.....	4	302	\$0 94	\$283 88	9
MACARONI— 3 ESTABLISHMENTS.					
Macaroni makers.....	32	275	64	176 00	10
Packers.....	4	300	75	225 00	10
MACHINERY—2 ESTABLISHMENTS.					
Inspectors.....	2	300	1 00	300 00	9
Ornamenter.....	2	272	1 00	272 00	10
Seamstresses.....	5	272	1 05	285 60	10
Stock keepers.....	5	272	1 25	340 00	10
MATTRESSES AND PILLOWS—3 ESTABLISHMENTS.					
Cutter.....	1	308	1 25	385 00	10
Finishers.....	22	303	1 68	509 04	9
Machine hands.....	10	304	1 38	419 52	9.5
Tick makers.....	9	298	1 50	447 00	9
MOULDINGS AND FRAMES—1 ESTABLISHMENT.					
Laborer.....	1	300	1 00	300 00	10
OIL AND GREASE—1 ESTABLISHMENT.					
Candle decorators.....	8	297	1 15	341 55	9
Candle fitters.....	10	297	1 10	326 70	9
Candle packers.....	20	297	1 10	326 70	9
Carton makers.....	4	297	1 10	326 70	9
Forewomen.....	6	297	1 16	344 52	9
Printers.....	3	297	1 19	353 43	9
Wick sewers.....	3	297	1 00	297 00	9
PAINTS AND VARNISHES—8 ESTABLISHMENTS.					
Assemblers.....	2	300	75	225 00	9
Binders.....	15	277	68	188 36	9.5
Color makers.....	1	297	1 73	513 81	10
Cooks.....	7	277	1 00	277 00	10
Labelers.....	27	290	1 38	400 20	9
Laundresses.....	3	277	1 25	346 25	10
Packer.....	1	297	1 46	433 62	10
Paint makers.....	3	297	1 17	347 49	10
Paster.....	1	300	1 08	324 00	9
Printers.....	2	310	1 10	341 00	10
Samplers.....	34	281	83	232 23	9.1
Solderers.....	3	277	2 00	554 00	10
PATTERNS AND MODELS—1 ESTABLISHMENT.					
Finisher.....	1	306	1 28	391 68	8
PIANOS AND OTHER MUSICAL INSTRUMENTS—2 ESTABLISHMENTS.					
Laborer.....	1	302	1 00	302 00	10
Valve maker.....	1	298	1 25	372 50	10
PLUMBING, STEAM AND GAS FITTING SUPPLIES—1 ESTABLISHMENT.					
Wrappers.....	6	307	85	260 95	9

TABLE IV_a—MANUFACTURES—CLEVELAND—Continued.

PRINTING AND BINDING—35 ESTABLISHMENTS.

Occupation -- Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Binders.....	177	299	\$0 88	\$263 12	9.1
Compositors.....	5	297	1 60	475 20	9.1
Folders.....	38	299	80	239 20	9
Forewoman.....	2	295	1 50	442 50	9
Helpers.....	2	307	77	236 39	9
Janitress.....	1	306	1 10	336 60	9
Machine hands.....	9	295	97	286 15	9
Mail clerk.....	1	208	95	197 60	9
Press feeders.....	70	299	1 20	358 80	9
Proof readers.....	5	306	1 96	599 76	8.8
Sewers.....	12	305	1 25	381 25	9

RUBBER GOODS—3 ESTABLISHMENTS

Blower.....	1	260	1 25	325 00	10
Collar makers.....	2	306	84	257 04	9
Day workers.....	3	260	83	215 80	10
Forewoman.....	1	260	1 50	390 00	10
Hammerers.....	4	260	1 00	260 00	10
Laborer.....	1	300	35	105 00	8
Packer.....	1	260	1 00	260 00	10

RUGS AND CARPET CLEANING—2 ESTABLISHMENTS.

Carpet sewers.....	3	292	1 00	292 00	10
Curtain cleaners.....	6	292	1 00	292 00	10
Seamstresses.....	18	296	93	275 28	9.1

SALT—2 ESTABLISHMENTS.

Bag sewers.....	32	343	1 06	363 58	9.1
Sack makers' helpers.....	28	363	1 00	363 00	10

SOAP, CANDLES AND TALLOW—1 ESTABLISHMENT.

Soap makers.....	2	300	75	225 00	10
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SODA AND MINERAL WATERS—1 ESTABLISHMENT.

Bottle washers.....	2	175	66	115 50	10
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STEEL, IRON AND TIN—2 ESTABLISHMENTS.

Assorters.....	11	193	1 25	231 25	10
Nail makers.....	5	301	87	261 87	10
Packers.....	80	301	88	264 88	10

STENCILS, STAMPS AND SEALS—2 ESTABLISHMENTS.

Stencil maker.....	1	310	1 00	310 00	9
Type cutter.....	1	300	1 00	300 00	8

STOVES, RANGES AND FURNACES—2 ESTABLISHMENTS.

Laborers.....	7	305	1 18	359 90	9
Ornamenters.....	4	305	75	228 75	10

TINWARE, SHEET-IRON AND GALVANIZED IRONWARE—3 ESTABLISHMENTS.

Cleaners.....	5	300	1 10	330 00	10
Forewoman.....	1	306	1 50	459 00	10
Laborers.....	49	301	79	237 79	9.9
Letter trimmers.....	5	365	95	346 75	8
Liners.....	5	300	1 10	330 00	10
Press hands.....	22	306	77	235 62	10

TABLE IVa—MANUFACTURES—CLEVELAND—Concluded.
TOOLS—2 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Packers.....	3	300	\$1 00	\$300 00	9
Tool makers.....	70	300	83	249 00	10

TRUNKS AND VALISES—4 ESTABLISHMENTS.

Bag makers.....	3	309	1 00	309 00	9.2
Case makers.....	10	305	1 00	305 00	9
Machine hand.....	1	306	1 25	382 50	9.5
Telescope makers.....	2	310	1 00	310 00	9
Trunk makers.....	8	306	91	278 46	8.7

UMBRELLAS AND PARASOLS—2 ESTABLISHMENTS.

Case makers.....	2	300	88	264 00	10
Cover makers.....	25	300	75	225 00	10
Examiners.....	2	300	1 00	300 00	10
Hemmers.....	2	300	1 00	300 00	10
Laborer.....	1	300	1 00	300 00	10
Repairer.....	1	300	1 00	300 00	10
Seamers.....	4	300	1 00	300 00	10
Tie hands.....	2	300	75	225 00	10
Umbrella makers.....	2	300	1 00	300 00	9

WIRE RODS, WIRE CLOTH AND WIRE GOODS—3 ESTABLISHMENTS.

Finishers.....	10	300	1 00	300 00	10
Seamstresses.....	11	300	1 10	330 00	8
Spoolers.....	10	306	70	214 20	10
Spring bed makers.....	18	290	86	249 40	9.5
Weavers.....	41	300	89	267 00	9

MISCELLANEOUS—6 ESTABLISHMENTS.

Assorters.....	21	306	1 00	306 00	10
Bottlers.....	2	300	75	225 00	9
Laborer.....	1	300	1 00	300 00	10
Machine hands.....	12	300	1 00	300 00	9
Paper rollers.....	2	200	75	150 00	10
Shipping clerk.....	1	326	1 00	326 00	9

TABLE IV^{aa}—MANUFACTURES—CLEVELAND.

Table by Industries, Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Advertising novelties and signs.....	Draughtsman.....	1	10	
"	Electricians.....	3	10	
Bicycles bicycle sundries and automobiles	Apprentices.....	33	5	
"	Assemblers.....	51	9.8	
"	Blacksmiths.....	24	8.8	
"	Blacksmiths' helpers.....	10	10	
"	Carpenters.....	71	9.9	
"	Core makers.....	6	10	
"	Draughtsmen.....	2	6.8	
"	Engineers.....	8		
"	Firemen.....	1	6	
"	Foremen.....	6	5	
"	Helpers.....	2	5	
"	Laborers.....	50	7.9	
"	Laborers (boys).....	4	5	
"	Machine hands.....	4	5	
"	Machinists.....	213	6.2	
"	Machinists' helpers.....	218	10	
"	Molders.....	22	10	
"	Painters.....	41	6.2	
"	Pattern makers.....	7	8.5	
"	Rubbers.....	53	10	
"	Shippers and packers.....	6	10	
"	Stock clerks.....	7	6.4	
"	Teamster.....	1	5	
"	Tinsmiths.....	14	10	
"	Tinsmiths' helpers.....	27	10	
"	Tool makers.....	20	5	
"	Trimmers.....	17	10	
"	Trimmers' helpers.....	12	10	
Billiard tables, bar and store fixtures.....	Cabinet makers.....	7	10	
"	Engineer.....	1	10	
"	Finishers.....	2	10	
"	Machine hands.....	3	10	
"	Teamster.....	1	10	
Boilers, engines and tanks.....	Blacksmiths.....	3	5	
"	Blacksmiths' helpers.....	3	5	
"	Boiler makers.....	14	5	
"	Boiler makers' helpers.....	11	5	
"	Laborers.....	15	5	
"	Machinists.....	2	5	
"	Rivet heaters.....	6	5	
Boxes (paper).....	Cutter machine feeders.....	5	10	
"	Engineer.....	1	10	
"	Form maker.....	1	10	
"	Helpers.....	6	10	
"	Machinists.....	2	10	
"	Press feeders.....	3	10	
"	Pressmen.....	3	10	
"	Shipping clerks.....	2	10	
Boxes (wooden).....	Box makers.....	14	5	
"	Engineer.....	1	10	
"	Filers.....	3	12.6	
"	Fireman.....	1	10	
"	Helpers.....	10	3	
"	Laborers.....	16	9.2	
"	Machine hands.....	10	7.5	
"	Mill hands.....	6	3	
"	Millwright.....	1	10	
"	Nailers.....	9	6.5	
"	Nailers' helpers.....	5	1	
"	Off-bearers.....	10	10	
"	Off-bearers (boys).....	10	10	
"	Planers.....	4	10	
"	Sawyers.....	42	7.6	
"	Teamsters.....	10	9.4	
"	Turners.....	2	5	
"	Watchman.....	1		8
"	Yardmen.....	20	10	
Bread and other bakery products.....	Bakers.....	45	10	

TABLE IV_{aa}—MANUFACTURES—CLEVELAND—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Brick and tile.....	Burners.....	2	20	.....
"	Cranesman.....	1	25	.....
"	Engineer.....	1	12.1	.....
"	Hoister.....	1	14.2	.....
"	Laborers.....	4	16.6	.....
"	Loaders.....	2	14.2	.....
"	Machinists' helpers.....	1	16.6	.....
"	Setters.....	3	10	.....
"	Shovel engineer.....	1	12.1	.....
"	Teamsters.....	16	9.1	.....
"	Tossers.....	2	12.5	.....
"	Transfermen.....	3	10.4	.....
Buttons (pearl).....	Turners.....	2	7	.....
Carriages and wagons.....	Blacksmiths.....	6	7.5	.....
"	Helpers.....	2	10	.....
"	Painters.....	2	10	.....
"	Trimmer.....	1	10	.....
Cigars.....	Wood workers.....	11	5.4	.....
"	Bunch makers.....	20	10	.....
"	Cigar makers.....	49	9.8	.....
"	Cigar makers.....	2	.....	10
Clothing.....	Bushelman.....	1	15	.....
"	Cutters.....	35	9.8	.....
"	Cutter's assistant.....	1	12	.....
"	Coat makers.....	19	12	.....
"	Examiner.....	1	7.5	.....
"	Machine operators.....	166	7.7	.....
"	Pressers.....	35	7.5	.....
"	Skirt makers.....	3	15.1	.....
"	Stock keepers.....	2	15	.....
"	Tailors.....	38	8.3	.....
"	Trousers makers.....	4	13.7	.....
"	Vest maker.....	1	10	.....
Coffee, baking powder and spices.....	Engineer.....	1	10	.....
"	Hostler.....	1	10	.....
"	Mill hands.....	2	10	.....
"	Packers.....	2	5	.....
"	Shipping clerk.....	1	20	.....
"	Teamsters.....	2	10	.....
Cooperage.....	Coopers.....	30	5	.....
"	Filer.....	1	16.7	.....
"	Laborers.....	20	2.5	.....
Copper and brass goods.....	Buffers.....	7	7.1	.....
"	Core makers.....	4	7.5	.....
"	Electro-plater.....	1	10	.....
"	Engineer.....	1	16	.....
"	Finishers.....	20	5	.....
"	Furnace tender.....	1	16	.....
"	Laborers.....	2	5	.....
"	Machine hands.....	5	5	.....
"	Machinists.....	2	5	.....
"	Molders.....	17	12.3	.....
"	Polishers.....	4	5	.....
"	Shipper.....	1	33.3	.....
Dairy products.....	Butter-maker.....	1	20	.....
"	Drivers.....	27	10	.....
"	Milk man.....	1	25	.....
"	Separator.....	1	25	.....
Drugs, chemicals and druggists' sundries.....	Artificial limb maker.....	1	20	.....
"	Blacksmiths' helpers.....	4	7	.....
"	Engineers.....	2	.....	4
"	Laborers.....	334	4.9	.....
"	Pipe fitters.....	2	10	.....
Electrical goods and supplies.....	Armature winders.....	12	11.5	.....
"	Coil insulators.....	22	10	.....
"	Coil winders.....	2	10	.....
"	Field winder.....	2	10	.....
"	Helpers.....	12	20	.....
"	Hydraulic pressman.....	2	10	.....
"	Laborers.....	3	8	.....
"	Machinists.....	6	15	.....

TABLE IV_{aa}—MANUFACTURES—CLEVELAND—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Electrical goods and supplies.....	Molders.....	15	10	.....
“	Shippers.....	2	10	.....
“	Store keeper.....	1	30.4	.....
“	Tapper.....	3	10	.....
“	Trimmers.....	2	10	.....
Foundry and machine shop products.....	Apprentices.....	18	9.2	.....
“	Assemblers.....	10	10	.....
“	Bench hands.....	4	20	.....
“	Blacksmiths.....	1	4	.....
“	Blacksmiths.....	3	.....	5
“	Blacksmiths' helpers.....	3	.....	5
“	Blacksmiths' helpers.....	7	10	.....
“	Buffers.....	8	10	.....
“	Carpenters.....	21	7.4	.....
“	Chipper.....	1	10	.....
“	Core makers.....	177	11.5	.....
“	Drill press operators.....	2	33	.....
“	Driver.....	1	10	.....
“	Engineers.....	12	6	.....
“	Feeders.....	49	10	.....
“	Foreman.....	1	6	.....
“	Furnace tender.....	2	12	.....
“	Grinders.....	25	10	.....
“	Grinders.....	4	.....	15
“	Headers.....	36	.....	5
“	Headers' healpers.....	30	.....	5
“	Helpers.....	63	5.7	.....
“	Laborers.....	129	.....	16
“	Laborers.....	1,142	4.5	.....
“	Machine operators.....	125	9.2	.....
“	Machinists.....	5	.....	2
“	Machinists.....	187	3.6	.....
“	Machinists' helpers.....	25	10	.....
“	Molders.....	919	5.4	.....
“	Nut makers.....	71	7.9	.....
“	Nut makers.....	49	.....	5
“	Pattern makers.....	23	8.2	.....
“	Platers.....	10	5	.....
“	Pointers.....	25	.....	7
“	Polishers.....	24	6.3	.....
“	Press hands.....	12	2	.....
“	Rivet makers and heaters.....	35	5	.....
“	Shippers.....	26	5	.....
“	Shovel makers.....	46	3.1	.....
“	Sorters.....	35	10	.....
“	Washer cutters.....	2	3	.....
“	Watchmen.....	2	4.5	.....
Furniture.....	Apprentices.....	3	10	.....
“	Cabinet makers.....	12	10	.....
“	Finishers.....	15	5.7	.....
“	Machine hands.....	5	10	.....
“	Polishers.....	2	10	.....
“	Tinners.....	12	10	.....
Gas and electricity.....	Boiler men.....	25	12	.....
“	Chargers.....	24	7	.....
“	Cokemen.....	60	10	.....
“	Engineers.....	17	9.5	.....
“	Firemen.....	62	0.1	.....
“	Foremen.....	59	8	.....
“	Hostlers.....	2	6	.....
“	Linemen.....	29	5	.....
“	Laborers.....	215	4.3	.....
“	Machinist.....	44	15	.....
“	Meter men.....	14	9	.....
“	Shed men.....	16	8.5	.....
“	Stock keepers.....	4	4	.....
“	Stokers.....	65	7.1	.....
“	Telephone boys.....	2	14	.....
“	Watchmen.....	2	4	.....
Hardware.....	Blacksmith.....	15	5	.....
“	Japanner and lacquerers.....	2	5	.....

TABLE IVaa—MANUFACTURES—CLEVELAND—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Hardware.....	Laborers.....	42	5.7	.....
".....	Machinists.....	74	5	.....
".....	Plater.....	1	20	.....
".....	Polishers and buffers.....	7	5	.....
".....	Press hands.....	4	10	.....
".....	Rollers.....	12	5	.....
".....	Shipping clerk.....	1	20	.....
".....	Shipping clerk.....	1	.....	20
Hats, caps and furnishings.....	Cap makers.....	15	17.9	.....
".....	Cutters.....	2	20	.....
Ice (artificial).....	Engineers.....	8	3.1	.....
Iron (structural and architectural).....	Laborers.....	123	16.6	.....
".....	Apprentices.....	5	25	.....
".....	Blacksmith.....	5	10	.....
".....	Boiler makers.....	115	3	.....
".....	Electrical workers.....	5	20	.....
".....	Foundry workers.....	55	3.2	.....
".....	Iron workers.....	159	.....	5
".....	Iron workers.....	46	2	.....
".....	Laborers.....	76	3	.....
".....	Machinists.....	5	10	.....
".....	Pattern makers.....	2	3	.....
Leather and leather goods.....	Teamsters.....	16	2.5	.....
Lithographing, engraving and electrotyp'g	Tanners.....	9	8.4	.....
".....	Apprentices.....	11	15.4	.....
".....	Artists.....	2	10	.....
".....	Blockers.....	2	10	.....
".....	Caster.....	1	9	.....
".....	Engravers.....	27	19	.....
".....	Etchers.....	2	10	.....
".....	Finisher.....	1	10	.....
".....	Molder.....	1	10	.....
".....	Photographers.....	2	10	.....
".....	Proofer.....	1	10	.....
".....	Router.....	1	10	.....
Machinery.....	Apprentices.....	161	6.4	.....
".....	Blacksmiths.....	5	8	.....
".....	Blacksmiths' helpers.....	1	10	.....
".....	Boiler makers.....	56	5	.....
".....	Carpenters.....	31	2.5	.....
".....	Carpenters.....	3	.....	1
".....	Core makers.....	17	5	.....
".....	Draughtsmen.....	5	18	.....
".....	Electricians.....	1	10	.....
".....	Engineers.....	3	9.6	.....
".....	Erectors.....	200	3	.....
".....	Foremen.....	14	.....	10
".....	Helpers.....	118	9.7	.....
".....	Laborers.....	63	6.2	.....
".....	Machine hands.....	9	10	.....
".....	Machinists.....	550	6.9	.....
".....	Machinists' helpers.....	36	2	.....
".....	Marble worker.....	1	25	.....
".....	Molders.....	78	5	.....
".....	Painters.....	25	9.3	.....
".....	Pattern makers.....	38	4.6	.....
".....	Teamster.....	1	9.3	.....
".....	Tinsmiths.....	30	5	.....
".....	Tool makers.....	29	3	.....
".....	Vice hands.....	3	10	.....
".....	Yardmen.....	97	3	.....
Marble and granite.....	Copers.....	3	10	.....
".....	Mosaic workers.....	20	10	.....
Moldings and frames.....	Composition ornamenters.....	20	2	.....
".....	Finishers and gilders.....	65	5	.....
".....	Joiners.....	11	5	.....
".....	Laborers.....	5	2	.....
".....	Packers.....	8	3	.....
".....	Wood workers.....	11	5	.....
Oil and grease.....	Foreman.....	1	.....	20

TABLE IV_{aa}—MANUFACTURES—CLEVELAND—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Paints and varnishes.....	Color makers.....	7	14	.....
".....	Fireman.....	1	22	.....
".....	Laborers.....	11	10	.....
".....	Packers.....	1	10	.....
".....	Packers.....	2	.....	3
".....	Paint makers.....	11	17	.....
".....	Varnish makers.....	3	10.8	.....
".....	Watchmen.....	1	.....	12.5
Patterns and models.....	Pattern makers.....	56	6.6	.....
Pianos and other musical instruments.....	Engineer.....	1	.....	10
".....	Machine hands.....	8	10	.....
Plating.....	Apprentices.....	3	20	.....
".....	Buffers.....	2	20	.....
".....	Platers.....	2	20	.....
".....	Polishers.....	8	20	.....
Plumbing, steam and gas fitting supplies	Chandelier makers.....	20	5	.....
".....	Cock makers.....	3	10	.....
".....	Core makers.....	3	10	.....
".....	Finishers.....	15	10	.....
".....	Fitters.....	10	5	.....
".....	Foremen.....	6	33	.....
".....	Laborers.....	37	7.3	.....
".....	Machinists.....	2	5	.....
".....	Molders.....	10	7.5	.....
".....	Polishers and platers.....	12	5	.....
".....	Steam fitters.....	4	19	.....
".....	Steam fitters' helpers.....	6	15	.....
Printing and binding.....	Binders.....	37	12	.....
".....	Binders (boys).....	3	10	.....
".....	Compositors.....	157	8.8	.....
".....	Compositors.....	4	.....	10
".....	Cutters.....	6	6.1	.....
".....	Electrotype caster.....	1	11	.....
".....	Engravers.....	2	8	.....
".....	Errand boys.....	4	10.5	.....
".....	Finishers.....	4	13	.....
".....	Forwarders.....	4	10	.....
".....	Helpers.....	2	7.2	.....
".....	Linotype operators.....	9	7.2	.....
".....	Mailers.....	5	11.6	.....
".....	Packers.....	3	.....	7
".....	Press feeders.....	20	12.8	.....
".....	Press feeders.....	7	.....	10
".....	Pressmen.....	19	12.8	.....
".....	Pressmen.....	2	.....	10
".....	Pressmen's assistants.....	2	16.7	.....
".....	Proof readers.....	4	9	.....
".....	Rulers.....	10	12	.....
".....	Shipping clerk.....	1	5	.....
".....	Stereotypers.....	5	11.5	.....
".....	Stockmen.....	2	.....	8
".....	Stone polishers.....	4	12.2	.....
".....	Transferers.....	9	9.2	.....
Roofing (steel, iron and tin).....	Roofers.....	2	10	.....
".....	Tinners.....	9	10	.....
Sash, doors, lumber and interior finish	Bench hands.....	12	10	.....
".....	Carpenters.....	94	8.3	.....
".....	Engineer.....	1	10	.....
".....	Finishers and painters.....	3	10	.....
".....	Floor layers.....	12	7	.....
".....	Helpers.....	10	7	.....
".....	Laborers.....	18	5.8	.....
".....	Laborers (boys).....	3	10	.....
".....	Machine hands.....	41	7.4	.....
".....	Masons.....	4	10	.....
".....	Mill hands.....	52	11.2	.....
".....	Tally-men.....	22	10.2	.....
".....	Teamsters.....	36	3	.....
".....	Warehouse hands.....	15	7.5	.....
".....	Watchman.....	1	10	.....

TABLE IV^{aa}—MANUFACTURES—CLEVELAND—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Steel, iron and tin.....	Blast furnace hands.....	2	5	.....
"	Bottom filers.....	25	5	.....
"	Carpenters.....	3	5	.....
"	Catchers.....	18	.....	18.3
"	Cinder men.....	2	.....	.....
"	Cold rollers.....	14	7	.....
"	Doublers.....	18	.....	15.7
"	Engineers.....	2	2.5	.....
"	Heaters.....	10	2	.....
"	Heaters.....	18	.....	20.9
"	Heaters' helpers.....	10	.....	.....
"	Helpers.....	28	4	.....
"	Iron carriers.....	14	5	.....
"	Keepers.....	2	5	.....
"	Laborers.....	6	5	.....
"	Machinists.....	7	.....	2
"	Picklers.....	80	6	.....
"	Rollers.....	8	2	.....
"	Rollers.....	18	.....	16.5
"	Rolling mill hands.....	63	2	.....
"	Shearmen.....	6	.....	13.5
"	Screw hands (boys).....	36	.....	27.9
"	Scrapers.....	2	5	.....
"	Teamster.....	1	10	.....
"	Telegrapher.....	10	2	.....
"	Water hands.....	2	5	.....
"	Weighers.....	2	5	.....
Stencils, stamps and seals.....	Stencil makers.....	4	10	.....
Stone, (cut sawed and artificial).....	Cutters.....	2	10	.....
"	Draughtsmen.....	3	20	.....
"	Engineers.....	83	2.5	.....
"	Laborers.....	758	6.7	.....
"	Lathe hands.....	19	1	.....
"	Machinists.....	41	1	.....
"	Mill hands.....	117	2.5	.....
"	Molders.....	7	10	.....
"	Pattern makers.....	8	10	.....
"	Teamsters.....	15	3	.....
Stoves, ranges and furnaces.....	Brazers.....	6	25	.....
"	Buffers.....	8	10	.....
"	Closet makers.....	2	10	.....
"	Craters.....	13	10	.....
"	Drillers.....	2	10	.....
"	Engineer.....	1	10	.....
"	Finishers.....	7	10	.....
"	Fitter.....	1	10	.....
"	Fitter (boy).....	1	10	.....
"	Foreman.....	1	10	.....
"	Former.....	2	10	.....
"	Laborers.....	57	14	.....
"	Lathe hands.....	10	10	.....
"	Machinist.....	1	10	.....
"	Mounters.....	24	10	.....
"	Packers.....	2	10	.....
"	Painter.....	1	10	.....
"	Platers.....	3	10	.....
"	Polishers.....	34	10	.....
"	Pressmen.....	14	10	.....
"	Riveters.....	14	10	.....
"	Sheet iron work.....	9	10	.....
"	Shipping clerk.....	1	10	.....
"	Teamster.....	1	10	.....
"	Tinners.....	24	10	.....
"	Tool makers.....	8	6	.....
"	Varnishers.....	3	10	.....
"	Watchman.....	1	10	.....
Tinware, sheet-iron and galvanized ironware	Apprentices.....	6	.....	5
"	Helpers.....	14	10	.....
"	Laborers.....	12	6	.....
"	Slaters.....	13	10	.....
"	Tinners.....	31	10.6	.....

TABLE IV_{aa}—MANUFACTURES—CLEVELAND—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Tools.....	Apprentices.....	6	11	.....
".....	Blacksmith.....	1	.....	5
".....	Grinders.....	4	.....	20
".....	Laborers.....	2	.....	10
".....	Laborers.....	26	6.2	.....
".....	Machinists.....	269	6.5	.....
".....	Polisher.....	1	10	.....
".....	Saw makers.....	10	10	.....
".....	Temperer.....	1	5	.....
Trunks and valises.....	Case makers.....	7	7.5	.....
".....	Carpenter.....	1	7.5	.....
".....	Foremen.....	1	5	.....
Wire rods, wire cloth and wire goods.....	Blacksmiths.....	2	10	.....
".....	Engineer.....	1	5	.....
".....	Fence builders' helpers.....	3	17	.....
".....	Helpers.....	1	10	.....
".....	Iron workers.....	20	10	.....
".....	Mattress makers.....	10	5	.....
".....	Mill hands.....	31	5	.....
".....	Shipping clerks.....	5	6	.....
".....	Spring bed makers.....	15	.....	5
".....	Teamster.....	3	5	.....
".....	Weaver.....	1	5	.....
Miscellaneous.....	Wire workers.....	2	10	.....
".....	Blacksmiths' helpers.....	3	6	.....
".....	Cabinet makers.....	4	6	.....
".....	Engineer.....	1	10	.....
".....	Fillers.....	2	3	.....
".....	Foremen.....	6	9.1	.....
".....	Iron straighteners.....	3	11	.....
".....	Laborers.....	121	10	.....
".....	Laborers (boys).....	75	10	.....
".....	Lock fitters.....	6	10	.....
".....	Machinists.....	15	16	.....
".....	Painters.....	4	.....	11
".....	Plater.....	1	16.7	.....
".....	Vault builders.....	8	.....	4
".....	Watchmen.....	2	9	.....
Totals and averages.....		11,677	6.7	.....
		496	.....	12.1

TABLE IV^{aa}—MANUFACTURES—CLEVELAND—Concluded.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Female.	Number of employees.	Advanced per cent.	Reduced per cent.
Awning, tents and flags.....	Awning sewers.....	30	20	.....
Cigars.....	Cigar maker.....	1	10	.....
".....	Packers.....	15	10	.....
".....	Rollers.....	80	10	.....
".....	Strippers.....	64	6.1	.....
Clothing.....	Button sewers.....	20	7.5	.....
".....	Examiner.....	1	7.5	.....
".....	Finishers.....	126	12.7	.....
".....	Hat makers.....	15	10	.....
".....	Machine operators.....	417	17	.....
".....	Skirt makers.....	25	15	.....
".....	Tailors.....	3	10	.....
".....	Trimmers.....	3	7.5	.....
".....	Vest makers.....	2	12.5	.....
Coffee, baking powder and spices.....	Fillers.....	7	.....	5
Electrical goods and supplies.....	Labelers.....	7	25	.....
Foundry and machine shop products.....	Piece workers.....	32	2	.....
Hardware.....	Press hands.....	17	5	.....
Hats, caps and furnishings.....	Cap makers.....	3	14	.....
".....	Finishers.....	2	10	.....
".....	Liners.....	3	15	.....
".....	Machine operators.....	4	10	.....
".....	Trimmers.....	6	15	.....
Paints and varnishes.....	Color maker.....	1	8	.....
".....	Labelers.....	2	9	.....
".....	Packers.....	11	17	.....
Plumbing, steam and gas fitting supplies.....	Wrappers.....	6	5	.....
Printing and binding.....	Binders.....	30	12.2	.....
".....	Compositors.....	3	10	.....
".....	Folder.....	1	10	.....
".....	Press feeders.....	15	12.3	.....
".....	Proof readers.....	2	4	.....
Tinware, sheet-iron and galvanized ironware.....	Cleaners.....	5	10	.....
".....	Liners.....	5	10	.....
Trunks and valises.....	Bag makers.....	2	5	.....
".....	Machine operator.....	1	7.5	.....
Wire rods, wire cloth and wire goods.....	Spring bed makers.....	18	5	.....
Totals and averages.....		978	12.9	.....
		7	.....	5

TABLE IVb—MANUFACTURES—COLUMBUS.

AWNINGS, TENTS AND FLAGS—4 ESTABLISHMENTS

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentice.....	1	125	\$0 67	\$83 75	9
Awning hangers.....	7	308	2 07	637 56	10
Cutters.....	2	306	2 50	750 00	10

BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—4 ESTABLISHMENTS.

Apprentices.....	2	150	1 00	150 00	10
Assemblers.....	10	312	2 50	780 00	9
Blacksmiths.....	6	257	2 50	642 50	9.5
Blacksmiths' helpers.....	2	310	1 75	542 50	10
Carpenters.....	3	207	2 67	552 69	9.6
Draughtsmen.....	3	306	2 41	737 46	10
Electricians.....	1	300	2 25	375 00	10
Engineers.....	2	311	2 67	830 37	9.5
Foreman.....	1	90	2 50	225 00	9
Laborers.....	3	160	1 63	260 80	9.6
Machinists.....	61	291	2 58	750 78	9.7
Painters.....	5	311	2 55	793 05	9.4
Upholsterers.....	2	311	2 67	830 37	9.5
Upholsterers' helper.....	1	310	1 50	465 00	10
Watchmen.....	2	195	1 50	292 50	10.5

BILLIARD TABLES, BAR AND STORE FIXTURES—5 ESTABLISHMENTS.

Assemblers.....	24	312	1 25	390 00	10
Cabinet makers.....	44	307	2 36	724 52	9.8
Carpenters.....	2	300	3 00	900 00	8
Carver.....	1	300	3 00	900 00	9
Engineers.....	3	305	2 17	661 85	10
Finishers.....	9	301	1 93	580 93	9.7
Foremen.....	10	312	2 50	780 00	10
Glaziers.....	2	300	2 00	600 00	10
Laborers.....	29	310	1 50	465 00	9.9
Machine hands.....	68	309	1 87	577 83	9.6
Packers.....	4	312	1 25	390 00	10
Plumber.....	1	300	3 00	900 00	8
Sander.....	1	300	1 75	225 00	10
Varnishers.....	8	312	1 50	468 00	10
Warehouse hands.....	2	312	1 50	468 00	10
Watchmen.....	2	305	1 38	420 90	10
Wood workers.....	4	300	2 25	675 00	10
Yard hands.....	4	312	1 25	390 00	10

BOILERS, ENGINES AND TANKS—6 ESTABLISHMENTS.

Blacksmiths.....	3	297	2 83	840 51	10
Blacksmiths' helpers.....	2	293	1 50	439 50	10
Boiler makers.....	17	303	2 50	757 50	10
Boiler makers' helpers.....	13	300	1 55	465 00	9.7
Carpenters.....	2	293	2 25	659 25	10
Core makers.....	7	293	1 75	512 75	10
Draughtsman.....	1	293	3 00	879 00	8
Drill press hands.....	2	305	1 75	533 75	10
Engineers.....	3	305	2 00	610 00	10
Laborers.....	26	273	1 54	420 42	10
Laborers (boys).....	2	305	50	152 50	10
Lathe hands.....	4	305	1 75	533 75	10
Machinists.....	82	295	2 55	752 25	10
Machinists' apprentices.....	15	302	81	244 62	10
Machinists' helpers.....	21	294	1 42	417 48	10
Molders.....	24	293	2 50	732 50	10
Molders' helpers.....	14	293	1 50	439 50	10
Painters.....	2	293	2 00	586 00	10
Pattern makers.....	3	297	3 00	891 00	10
Planer hand.....	1	305	1 75	533 75	10
Sheet-iron worker.....	1	306	2 25	688 50	10
Watchman.....	1	293	1 75	512 75	10

TABLE IVb—MANUFACTURES—COLUMBUS—Continued.

BOOTS AND SHOES—9 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bottomers.....	792	305	\$1 74	\$530 70	9.9
Cutters.....	273	306	1 68	514 08	9.8
Finishers.....	26	305	1 50	457 50	9.6
Foremen.....	9	310	3 00	930 00	10
Helpers.....	20	300	75	225 00	10
Lasters.....	340	308	1 83	563 64	9.6
Machine hands.....	31	306	1 78	546 08	10
Packers.....	6	300	1 50	450 00	9
Shippers.....	13	310	2 00	620 00	10
Shoe makers.....	20	200	1 50	300 00	10
Stock hands.....	158	308	1 63	502 04	10

BOXES (PAPER)—2 ESTABLISHMENTS.

Compositor.....	1	307	2 67	819 69	10
Cutters.....	3	307	1 91	586 37	10
Die maker.....	1	307	2 67	819 69	10
Driver.....	1	307	1 50	460 50	10
Elevator hand.....	1	307	2 50	767 50	10
Laborers.....	2	307	1 50	460 50	10
Laborers (boys).....	6	290	85	246 50	10
Packers (boys).....	10	307	53	162 71	10
Press feeders.....	6	307	1 71	524 97	10
Scorers.....	3	301	1 36	409 36	10
Shippers.....	3	307	1 65	506 55	10

BOXES (WOODEN)—4 ESTABLISHMENTS.

Box maker.....	1	265	2 00	530 00	10
Box makers (boys).....	10	300	80	240 00	10
Embossers.....	1	300	1 75	525 00	10
Laborers.....	20	300	1 40	420 00	10
Laborers (boys).....	2	300	50	150 00	10
Machine hands.....	20	300	2 00	600 00	10
Nailers.....	2	225	1 62	364 50	9.5
Printers.....	2	300	1 65	495 00	10
Sawyers.....	2	300	2 00	600 00	10

BREAD AND OTHER BAKERY PRODUCTS—8 ESTABLISHMENTS.

Bakers.....	98	315	1 86	585 90	9.9
Candy makers.....	13	299	1 58	472 42	10
Coopers.....	7	279	1 73	482 67	9.8
Drivers.....	9	293	1 58	462 94	10
Engineers.....	5	287	2 32	665 84	10
Foreman.....	4	311	3 67	1,141 37	10
Helpers.....	3	271	77	208 67	10
Hostlers.....	3	287	1 78	510 86	10
Laborers.....	18	325	1 42	461 50	10
Machine hands.....	4	271	1 50	406 50	10
Mixers.....	2	271	2 50	677 50	10
Oven tenders.....	2	271	1 67	452 57	10
Porter.....	2	344	1 37	471 28	10
Shipping clerk.....	1	271	3 00	813 00	10
Watchman.....	1	228	1 45	330 60	10

BRICK AND TILE—5 ESTABLISHMENTS.

Burners.....	3	236	2 17	512 12	10
Carters.....	5	174	1 93	335 82	10
Crusher hands.....	2	190	1 50	285 00	10
Dryer hands.....	2	190	1 75	332 50	10
Dumper.....	1	110	1 65	181 50	8
Engineers.....	3	283	2 33	659 39	10
Finishers.....	6	267	3 00	801 00	10
Firemen.....	2	330	1 75	577 50	10
Hostler.....	1	190	1 50	285 00	10

TABLE IVb—MAUFACTURES—COLUMBUS—Continued.

BRICK AND TILE—5 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Laborers.....	67	279	\$1 60	\$447 30	10
Laborers (boys).....	4	190	90	171 00	10
Machine hands.....	7	290	1 64	475 60	10
Packers.....	2	190	1 75	332 50	10
Panmen.....	5	330	1 50	495 00	10
Sander.....	1	110	1 75	192 50	8
Setters.....	7	200	225	450 00	9.7
Shelver.....	1	110	1 65	181 50	8
Sorters.....	12	330	1 75	577 50	10
Striker.....	1	110	1 65	181 50	8
Teamsters.....	8	150	1 65	247 50	10
Temperers.....	3	136	1 67	227 12	8.7
Wheeler.....	9	281	1 53	429 93	9.5

BROOMS AND BRUSHES—3 ESTABLISHMENTS.

Broom makers.....	8	297	1 62	481 14	9.8
Preparers.....	3	300	1 25	375 00	10
Sewers.....	2	290	1 62	469 80	9.5
Sorter.....	1	300	1 50	450 00	10

CARRIAGES AND WAGONS—14 ESTABLISHMENTS.

Blacksmiths.....	197	301	2 05	617 05	9.1
Blacksmiths' helpers.....	13	303	1 47	445 41	8.8
Body makers.....	43	309	2 06	628 30	9.4
Bow and shaft makers.....	4	309	1 50	463 50	10
Craters.....	65	306	1 53	477 48	9.3
Cushion makers.....	17	309	1 45	448 05	9
Engineers.....	1	298	2 00	596 00	9
Fileers and grinders.....	22	309	1 77	543 39	9.1
Finishers.....	2	307	1 75	537 25	9
Gear builders.....	9	309	1 82	562 38	9.1
Gear fitters.....	12	309	1 62	500 58	9
Harness makers.....	18	301	2 45	737 45	9.1
Helpers.....	2	307	1 50	460 50	9
Laborers.....	33	290	1 59	461 10	9
Laborer (boy).....	1	300	1 00	300 00	9
Machinists.....	33	309	1 76	543 84	11.1
Painters.....	243	302	1 89	570 78	9.3
Sawyers.....	22	309	1 50	463 50	9
Stock keepers.....	2	309	1 70	525 30	10
Teamsters.....	12	309	1 30	401 70	10
Trimmers.....	163	302	1 92	579 84	9
Varnishers.....	29	309	1 70	525 30	9.1
Watchman.....	1	298	1 60	447 00	9
Wheel makers.....	18	309	1 66	512 94	9
Wood workers.....	86	299	2 16	545 84	9.2
Yard hands.....	8	309	1 86	574 74	9

CARRIAGE AND WAGON MATERIALS—7 ESTABLISHMENTS.

Bench hands.....	45	275	2 27	624 25	9.8
Blacksmiths.....	25	250	2 25	562 50	9
Cutter.....	1	250	2 00	500 00	10
Dash makers.....	25	250	1 50	375 00	9
Hammermen.....	10	270	2 70	742 50	10
Laborers.....	30	256	1 53	391 68	10
Laborer (boy).....	1	279	1 00	279 00	9
Machine hands.....	90	276	1 62	446 12	10
Machinists.....	10	275	2 00	550 00	10
Molders.....	15	275	2 67	734 25	10

TABLE IVb—MANUFACTURES—COLUMBUS—Continued.

CIGARS—14 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, labor.	Average hours of daily labor.
Apprentice.....	1	312	\$1 50	\$468 00	8
Bunch breaker.....	1	275	90	247 50	9
Cigar makers.....	32	291	2 03	590 73	8.1
Cigar makers (boys).....	52	307	1 00	307 00	9
Laborer.....	1	275	1 50	412 50	10
Rollers.....	6	275	1 65	453 75	9
Stogie makers.....	6	258	1 41	363 78	7.6
Strippers.....	4	278	76	211 28	9.5

CLOTHING—44 ESTABLISHMENTS

Bushelman.....	1	306	3 00	918 00	10
Coat makers.....	167	287	2 53	726 11	9.7
Cutters.....	11	262	2 59	678 58	9.4
Draughtsman.....	1	296	3 00	882 00	10
Helpers.....	3	303	1 22	369 66	10
Jacket makers.....	3	260	3 25	845 00	9
Porters.....	3	290	1 31	379 90	9.6
Shipping clerk.....	1	276	1 25	345 00	9.5
Skirt makers.....	2	260	3 25	845 00	9
Stock hands.....	2	276	1 00	276 00	9.5
Tailors.....	30	300	2 40	720 00	9.6
Trimmer.....	1	260	3 25	845 00	9
Trouser makers.....	16	296	2 62	775 52	9.6
Vest makers.....	4	290	2 25	652 50	10

COFFEE, BAKING POWDER AND SPICES—3 ESTABLISHMENTS

Driver.....	1	300	2 00	600 00	10
Engineer.....	1	309	1 92	593 28	10
Errand boy.....	1	309	67	207 03	10
Foremen.....	2	309	3 50	1,081 50	10
Laborers.....	7	308	1 75	531 00	8
Packers.....	20	309	1 51	466 59	10
Porters.....	3	300	1 50	450 00	10
Roaster.....	1	300	2 50	750 00	10
Watchman.....	1	309	1 50	463 50	12

CONFECTIONERY—4 ESTABLISHMENTS

Boiler hand.....	1	306	1 75	535 50	10
Candy makers.....	19	303	1 71	518 13	10
Driver.....	1	306	2 00	612 00	10
Foremen.....	5	306	2 50	765 00	10
Helpers.....	33	306	62	189 72	9.9
Starch boys.....	6	306	46	140 76	10

COPPER AND BRASS GOODS—2 ESTABLISHMENTS.

Blacksmith.....	1	300	1 75	525 00	10
Core makers.....	4	300	1 00	300 00	10
Finishers.....	8	300	2 00	600 00	10
Fitters.....	3	300	2 00	600 00	10
Furnace hand.....	1	300	2 00	600 00	10
Grinder.....	1	300	1 50	450 00	10
Helpers.....	4	300	1 25	375 00	10
Laborers.....	2	307	1 50	460 50	10
Laborer (boy).....	1	300	75	225 00	10
Machinist.....	3	300	3 00	900 00	10
Molders.....	5	242	2 45	592 90	10
Pattern maker.....	1	300	2 00	600 00	10
Polishers.....	2	300	2 00	600 00	10

TABLE IVb—MAUFACTURES—COLUMBUS—Continued.
COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Carder.....	1	255	\$2 25	\$573 75	10
Carder's helpers.....	5	255	1 10	280 50	10
Dyer.....	1	255	1 90	484 50	10
Dyer's helpers.....	2	255	1 25	318 75	10
Engineer.....	1	255	2 00	510 00	10
Finisher.....	1	255	1 85	471 75	10
Finisher's helpers.....	2	255	1 75	191 25	10
Machine hands.....	4	288	1 17	298 35	9
Spinners.....	2	255	1 50	382 50	10
Warpers.....	1	255	1 50	382 50	10
Weaver.....	1	255	2 50	637 50	10

DAIRY PRODUCTS—3 ESTABLISHMENTS

Butter maker.....	1	280	1 67	467 60	6
Butterine makers.....	40	365	1 75	638 75	9
Checkman.....	1	365	1 50	547 50	10
Cream workers.....	2	365	2 25	821 25	10
Drivers.....	7	340	1 47	499 80	9.4
Laborer.....	1	280	1 25	350 00	6
Packers.....	3	365	1 70	520 50	10

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—6 ESTABLISHMENTS.

Advertiser.....	1	306	2 50	765 00	10
Artificial limb makers.....	3	306	3 00	918 00	10
Bottler.....	1	300	75	225 00	10
Candy maker.....	1	158	1 25	197 50	10
Chemist.....	1	307	4 00	1,228 00	9.5
Clerks.....	4	306	3 00	918 00	10
Delivery hands.....	4	306	50	153 00	10
Electrotypers.....	12	303	1 83	554 49	9.5
Hospital furniture makers.....	28	306	2 50	765 00	10
Laboratory hands.....	10	306	1 63	498 78	10
Laborers.....	48	303	1 39	421 17	9.5
Optical hands.....	5	306	2 00	612 00	10
Orthopedic hand.....	1	306	2 35	719 10	10
Pill makers.....	2	306	1 75	535 00	10
Prescription hands.....	5	306	1 50	459 00	10
Pressmen.....	7	303	2 01	609 03	9.5
Printers.....	12	304	2 43	738 72	9.7
Shipping clerks.....	7	306	1 75	535 00	10
Teamster.....	16	303	1 48	448 44	9.5

EXTRACTS, TOILET ARTICLES AND PERFUMERY—2 ESTABLISHMENTS

Laborers.....	2	306	1 06	324 36	9.5
Packer.....	1	269	1 00	269 00	8

FLOURING MILL PRODUCTS—5 ESTABLISHMENTS.

Elevator hands.....	3	300	1 50	450 00	10
Engineers.....	6	243	2 28	554 04	11.3
Firemen.....	2	214	1 75	377 50	12
Laborers.....	7	226	1 64	370 64	10
Millers.....	6	271	2 17	588 07	11.3
Packers.....	7	250	1 63	407 50	11.1
Teamsters.....	10	265	1 68	445 20	10

FOUNDRY AND MACHINE SHOP PRODUCTS—22 ESTABLISHMENTS.

Apprentice.....	1	120	50	60 00	10
Assemblers.....	112	240	2 00	480 00	10
Blacksmiths.....	13	289	1 91	551 99	10
Blacksmiths' helper.....	1	300	1 75	525 00	10
Bolt makers.....	5	305	2 25	686 25	10

TABLE IV^b—MANUFACTURES—COLUMBUS—Continued.

FOUNDRY AND MACHINE SHOP PRODUCTS—22 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Carpenters.....	5	301	\$2 00	\$602 00	10
Chain makers.....	123	301	2 46	740 46	9.5
Chain makers' helpers.....	40	300	1 10	330 00	9
Chemists.....	4	292	1 80	525 60	10
Core makers.....	13	298	2 12	631 76	9.7
Core makers' helpers.....	2	270	1 25	337 50	10
Cranemen.....	16	292	2 40	700 80	11
Cupola tenders.....	2	304	2 00	608 00	10
Draughtsmen.....	2	292	3 50	1,022 00	8
Engineers.....	6	292	1 97	575 24	10
Fireman.....	1	300	1 75	525 00	10
Fitters.....	203	292	1 81	528 52	11
Foremen.....	17	294	4 13	1,214 22	10.4
Foundry hands.....	460	246	2 18	536 28	10.8
Furnace hands.....	16	292	3 00	876 00	12
Grinders.....	4	284	1 93	548 12	10
Hammermen.....	2	280	1 00	280 00	10
Heaters.....	5	284	1 80	511 20	8
Heaters (boys).....	12	203	1 50	101 50	10
Helpers.....	36	288	1 59	457 92	9.3
Inspectors.....	7	303	1 60	484 80	10
Japanners.....	3	300	1 25	375 00	10
Laborers.....	543	296	1 55	458 80	9.8
Leaders (welding sets).....	5	284	2 80	795 20	8
Link cutters.....	4	300	1 80	540 00	10
Link winders.....	24	303	1 60	484 80	10
Machinists.....	137	277	2 49	689 73	10.5
Machinists' helper.....	1	270	1 50	405 00	10
Machine operators.....	5	296	2 05	606 80	10
Masons.....	9	292	3 21	937 32	9.2
Molders.....	246	282	2 48	699 36	9.5
Molders' helpers.....	10	270	1 50	405 00	10
Nut makers.....	8	305	2 00	610 00	10
Nut tappers.....	3	305	1 75	533 75	10
Packers.....	4	303	1 60	484 80	10
Pattern makers.....	32	288	2 64	760 32	10
Platers.....	5	240	2 20	528 00	10
Polishers.....	21	240	2 20	528 00	10
Press hand.....	1	280	1 50	420 00	10
Shearmen.....	2	292	1 70	496 40	10
Shop hands.....	105	240	1 60	384 00	10
Stack hands.....	2	292	1 40	408 80	10
Testers.....	2	300	1 75	525 00	10
Tool makers.....	20	240	3 20	768 00	10
Watchmen.....	7	285	1 52	433 20	11
Wheel makers.....	83	308	2 04	628 32	10
Yard hands.....	10	240	1 50	360 00	10

FURNITURE—5 ESTABLISHMENTS.

Cabinet makers.....	3	301	2 10	632 10	9.6
Finishers.....	10	262	2 00	524 00	10
Laborers.....	22	255	1 52	387 60	10
Machine hands.....	1	280	1 80	504 00	9
Pad makers.....	10	250	1 25	312 50	10
Painter.....	1	310	1 50	465 00	10
Piano stool makers.....	79	306	1 29	394 74	10
Polisher.....	1	310	2 00	620 00	10
Turner.....	1	280	1 80	504 00	9
Upholsterers.....	25	254	2 94	746 76	10
Vise hands.....	4	310	1 75	542 50	10

FURS—2 ESTABLISHMENTS.

Cutters.....	2	300	3 50	1,050 00	9
Nailer.....	1	300	1 75	525 00	9
Porter.....	1	250	1 00	250 00	9.5

TABLE IVb—MANUFACTURES—COLUMBUS—Continued.
GAS AND ELECTRICITY—2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Coal handlers.....	5	365	\$1 72	\$639 80	10
Engineers.....	7	365	2 39	872 35	10.5
Firemen.....	25	365	2 10	765 50	11.1
Ground men.....	4	365	1 50	547 50	10
Hostler.....	1	365	1 50	547 50	10
Inspectors.....	3	365	2 13	777 45	10
Laborers.....	29	365	1 50	547 50	10
Linemen.....	15	365	2 20	803 00	10
Machinists.....	2	365	3 23	1,178 95	10
Meter men.....	4	365	1 75	637 75	10
Oilers.....	4	365	1 63	594 95	10
Plumbers.....	4	365	2 25	821 25	10
Repair hands.....	10	365	2 00	730 00	10
Stack keepers.....	2	365	1 30	474 50	10
Sub-station operator.....	1	365	2 50	912 50	10
Switch board operators.....	3	365	1 73	631 45	10
Trimmers.....	10	365	1 70	620 50	10
Trouble hands.....	3	365	1 45	529 25	10

GLASS AND GLASSWARE—3 ESTABLISHMENTS.

Blowers.....	62	302	5 58	1,685 16	9.3
Cutters.....	10	308	3 00	924 00	10
Cutters (boys).....	30	308	1 50	462 00	10
Draughtsman.....	1	308	4 00	1,232 00	8
Factory hands (boys).....	150	290	1 10	319 00	10
Finishers.....	4	308	2 00	616 00	10
Furnace hands.....	8	290	2 00	580 00	12
Gatherers.....	51	290	3 15	913 50	10
Helpers.....	42	308	1 00	308 00	9
Laborers.....	118	293	1 61	471 73	9.7
Lead glaziers.....	14	308	3 00	924 00	10
Machinists.....	10	290	3 25	942 50	10
Packers.....	8	290	2 50	725 00	10
Painters.....	12	308	3 50	1,078 00	8
Pressers.....	31	290	3 24	939 60	10

GLOVES AND MITTENS—3 ESTABLISHMENTS.

Boarder.....	1	300	1 70	510 00	9
Cutters.....	30	264	1 96	517 44	9.1
Engineers.....	2	201	3 00	603 00	9.2
Finishers.....	3	302	1 70	513 40	9
Foreman.....	1	201	2 25	452 25	9.2
Laborers.....	5	201	1 50	301 50	9.2
Shipping clerk.....	1	201	2 50	502 50	9.2
Tanners.....	3	201	2 25	452 25	9.2

HARNESS AND SADDLERY—8 ESTABLISHMENTS.

Awl hands.....	2	300	1 30	390 00	10
Collar makers.....	10	300	2 00	600 00	10
Cutter.....	1	300	2 00	600 00	10
Harness makers.....	89	296	1 74	516 84	10
Machine hand.....	1	300	1 00	300 00	10
Riveter.....	1	300	1 75	225 00	10
Shipping clerk.....	1	300	1 50	450 00	10
Stuffers.....	5	300	1 35	405 00	10
Turner.....	1	300	50	150 00	10

HATS, CAPS AND FURNISHINGS—5 ESTABLISHMENTS.

Apprentice.....	1	312	83	258 96	9
Cap makers.....	5	275	2 25	618 75	9.5
Cutter.....	1	312	2 67	833 04	9
Frame makers.....	8	265	1 00	265 00	9
Hatter.....	1	300	2 50	750 00	9
Presser.....	1	150	1 50	225 00	9

TABLE IVb—MANUFACTURES—COLUMBUS—Continued.

ICE (ARTIFICIAL)—3 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Drivers.....	18	325	\$2 00 ¹	\$650 00	10
Engineers.....	6	364	2 61	950 04	12
Firemen.....	7	364	1 91	695 24	12
Laborers.....	53	332	1 67	554 44	10.3

IRON (STRUCTURAL AND ARCHITECTURAL)—4 ESTABLISHMENTS.

Blacksmith.....	1	306	3 00	918 00	10
Blacksmith's helper.....	1	306	1 00	306 00	10
Bridge workers.....	28	303	2 21	669 63	9
Foreman.....	1	306	2 50	765 00	10
Iron workers.....	11	303	1 64	496 92	10.3
Laborers.....	41	303	1 45	439 35	9
Machinists.....	12	308	2 00	616 00	10
Mechanics.....	2	306	2 37	825 22	10
Pressman.....	1	306	2 00	612 00	10
Pressman's helper.....	1	306	1 50	459 00	10
Stock hands.....	1	306	2 35	719 10	10
Template makers.....	2	303	2 48	751 44	9

JEWELRY AND WATCHES—3 ESTABLISHMENTS.

Jewelers.....	21	292	2 25	657 00	9.5
Polisher.....	1	306	50	153 00	9
Repairer.....	1	306	1 50	459 00	9

LEATHER AND LEATHER GOODS—2 ESTABLISHMENTS.

Curriers.....	5	306	1 50	459 00	10
Finishers.....	5	280	1 50	700 00	9
Laborers.....	10	280	2 50	420 00	9
Scourers.....	2	280	2 25	630 00	9
Settlers.....	10	280	2 50	700 00	9
Shavers.....	3	280	2 75	770 00	9
Stuffers.....	15	280	2 50	700 00	9
Tanners.....	5	306	1 50	459 00	10
Whiteners.....	5	280	2 50	700 00	9

LIGHTING APPARATUSES—5 ESTABLISHMENTS.

Assemblers.....	4	290	2 75	797 50	10
Bevelers.....	6	290	2 00	580 00	10
Buffers.....	6	290	2 10	609 00	10
Chemist.....	1	220	2 50	550 00	9
Engineer.....	1	290	2 50	725 00	10
Errand boy.....	1	52	67	34 84	10
Finishers.....	2	290	2 25	652 50	10
Fire extinguisher maker.....	1	303	2 00	606 00	10
Foreman.....	1	220	2 50	550 00	9
Foundry hands.....	3	303	2 75	833 25	10
Helpers.....	15	303	1 00	303 00	10
Japanners.....	2	290	2 25	652 50	10
Lamp makers.....	7	299	1 92	574 08	10
Machinists.....	5	305	2 15	655 75	10
Mantle makers.....	5	300	1 50	450 00	9.5
Pattern maker.....	1	303	2 00	606 00	10
Platers.....	5	297	2 20	653 40	10
Platers' helper.....	1	290	1 00	290 00	10
Polisher.....	7	303	2 50	757 50	10
Pressmen.....	5	290	1 25	362 50	10
Spinner.....	1	290	2 75	797 50	10
Solderers.....	5	290	83	240 70	10

TABLE IVb—MANUFACTURES—COLUMBUS—Continued.

LIME, SAND, CEMENT AND PLASTER—7 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Carpenters.....	2	315	\$3 75	\$1,181 25	10
Driver.....	1	311	1 25	388 75	10
Engineer.....	1	306	2 00	612 00	10
Foremen.....	4	314	2 00	628 00	10.1
Laborers.....	50	299	1 63	487 37	9.9
Teamsters.....	25	314	2 94	923 16	10

LIQUORS (MALT)—4 ESTABLISHMENTS.

Blacksmiths.....	4	353	2 75	970 75	10
Bottlers.....	133	338	2 12	716 56	9
Bottlers' helpers.....	30	353	1 83	645 99	9
Brewers.....	50	311	2 66	827 26	9
Cellar hands.....	50	353	2 67	832 51	9
Coopers.....	5	343	2 58	785 74	9
Drivers.....	66	326	2 64	860 64	9.2
Engineers.....	19	333	2 73	909 09	8.4
Firemen.....	15	327	2 39	781 53	8.2
Hostlers.....	18	328	2 00	656 00	9.6
Helpers.....	4	353	1 85	653 05	8
Ice hands.....	4	353	2 00	706 00	10
Laborers.....	24	346	2 00	692 00	9.9
Machinists.....	4	353	2 75	970 75	10
Machinists' helpers.....	4	353	1 81	638 93	10
Malters.....	4	306	2 67	817 02	10
Porters.....	2	306	1 25	382 50	9
Wash-house hands.....	32	218	2 50	545 00	9
Watchmen.....	5	337	1 89	636 93	10

LITHOGRAPHING, ENGRAVING AND ELECTROTYPING—5 ESTABLISHMENTS.

Apprentices.....	8	304	91	276 64	8.5
Artists.....	11	304	3 03	921 12	8.3
Blackers.....	3	301	2 50	752 50	8.5
Compositor.....	1	313	4 08	1,277 04	8
Copy boys.....	2	313	50	156 50	8
Cutters.....	2	308	1 50	462 00	9
Editors.....	2	313	3 58	1,120 54	8
Engravers.....	6	302	3 48	1,050 96	8.2
Errand boy.....	1	308	83	255 64	9
Etchers.....	8	303	2 84	860 52	8.5
Feeders.....	2	308	1 66	503 28	9
Finishers.....	5	302	3 83	1,156 66	8.5
Helpers.....	2	313	1 00	313 00	8.5
Janitor.....	1	301	80	240 80	8.5
Laborers.....	4	301	150	451 50	8.5
Linotype operators.....	4	313	4 00	1,252 00	8
Linotype operators' helper.....	1	313	1 16	363 08	8
Machinists.....	2	307	3 33	1,022 31	9
Numberer.....	1	308	1 00	308 00	9
Photographers.....	2	301	75	225 75	8.5
Pressmen.....	3	308	3 00	924 00	9
Proof readers.....	3	302	2 67	806 34	8.5
Router.....	1	307	3 00	921 00	8.5
Shipping clerk.....	1	313	2 00	626 00	9
Stereotypers.....	3	313	2 43	760 59	8
Stone grinder.....	1	308	2 00	616 00	9
Transferers.....	3	308	3 12	960 96	9
Truckman.....	1	313	3 15	985 95	9

MACHINERY—8 ESTABLISHMENTS.

Apprentices.....	3	307	1 00	307 00	10
Bench hands.....	30	310	1 75	542 50	10

TABLE IVb—MANUFACTURES—COLUMBUS—Continued.

MACHINERY—8 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Blacksmiths.....	25	311	\$2 33	\$724 63	10
Blacksmiths' helpers.....	11	314	1 43	449 02	10
Boiler makers.....	2	310	2 92	905 20	10
Carpenters.....	22	286	1 60	457 60	9.4
Chain makers.....	55	310	1 00	310 00	10
Draughtsmen.....	30	310	2 47	765 70	10
Electricians.....	44	308	1 63	502 04	10
Engineers.....	9	298	2 46	733 08	10
Erectors.....	58	282	1 93	544 26	10
Firemen.....	5	280	2 00	560 00	10
Helper.....	1	300	1 50	450 00	10
Iron and steel workers.....	273	280	2 15	602 00	10
Laborers.....	263	292	1 50	438 00	10
Machinists.....	346	302	2 46	742 92	9.8
Machinists' helpers.....	10	310	1 50	465 00	10
Molders.....	26	310	2 71	840 10	10
Painters.....	38	282	1 74	490 68	10
Pattern makers.....	38	309	2 28	704 52	10
Teamsters.....	7	306	1 49	455 94	10
Watchmen.....	3	304	1 31	398 24	10
Wood workers.....	78	280	2 20	616 00	10

PAINTS AND VARNISHES—4 ESTABLISHMENTS.

Drivers.....	2	306	1 88	575 28	9
Engineer.....	1	300	2 00	600 00	10
Grinders.....	2	312	2 50	780 00	10
Laborers.....	2	300	2 00	600 00	8
Paint makers.....	21	303	1 73	524 19	10
Shipping clerks.....	9	303	1 65	499 95	9.5

PRINTING AND BINDING—27 ESTABLISHMENT.

Apprentices.....	15	304	88	267 52	9.1
Binders.....	13	304	2 51	763 04	9.1
Box maker.....	1	307	1 50	460 50	10
Carriers.....	38	362	2 50	181 00	2
Compositors.....	137	316	2 53	799 48	9.1
Cutters.....	5	309	2 13	658 17	9.2
Editors.....	3	362	3 00	1,086 00	8
Electrotypers.....	3	302	2 92	881 84	9
Engineer.....	1	307	1 67	512 69	10
Engravers.....	2	334	3 17	1,058 78	9.3
Errand boys.....	2	308	63	194 04	8.9
Feeders.....	84	307	1 40	429 80	9
Finishers.....	3	307	2 30	706 10	10
Foremen.....	13	303	3 45	1,045 35	9.3
Forwarders.....	6	307	3 24	994 68	10
Helpers.....	7	305	1 55	472 75	9.7
Janitor.....	1	308	1 16	357 28	9
Laborer.....	1	315	1 50	472 50	9
Linotype operators.....	15	304	3 25	988 00	8
Machinists.....	2	304	3 59	1,091 36	8
Machinist's helper.....	1	302	1 25	377 50	8
Packer.....	1	306	2 00	612 00	9.5
Porters.....	11	306	1 26	385 56	9.6
Pressmen.....	27	309	2 58	797 22	9
Pressmen's helpers.....	6	312	1 89	589 68	9.2
Proof reader.....	1	302	2 50	755 00	9
Proof reader's helper.....	1	302	1 00	302 00	9
Rulers.....	6	307	2 88	884 16	9.7
Shipper.....	1	308	1 50	462 00	9
Solicitor.....	1	309	2 00	618 00	9
Stenciler.....	1	308	1 50	462 00	9
Stoneman.....	1	300	3 00	900 00	9.5

TABLE IVb—MANUFACTURES—COLUMBUS—Continued.

ROOFING (STEEL, IRON AND TIN)—5 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentice.....	1	290	\$1 00	\$290 00	9
Helpers.....	7	293	1 15	336 95	8.4
Laborers.....	4	306	1 50	459 00	10
Roofers.....	20	277	2 30	637 10	8.8
Sheet metal workers.....	17	300	2 56	768 00	8

RUGS AND CARPET CLEANING—4 ESTABLISHMENTS.

Carpet layers.....	2	282	1 92	541 44	9
Cutters.....	2	306	1 62	495 72	10
Drivers.....	4	294	1 52	446 88	9.5
Engineers.....	2	307	1 67	512 69	10.3
Laborers.....	3	309	1 50	463 50	10
Ravelers.....	2	306	65	198 90	10
Shipping clerk.....	1	306	1 50	459 00	10
Weavers.....	12	306	1 00	306 00	10
Winders.....	4	306	50	153 00	10

SASH, DOORS, LUMBER AND INTERIOR FINISH—13 ESTABLISHMENTS.

Apprentices.....	5	306	1 50	459 00	8
Bench hands.....	11	300	2 30	690 00	9.5
Cabinet makers.....	8	295	2 50	737 50	9
Carpenters.....	56	300	2 41	723 00	9
Carvers.....	2	295	2 50	737 50	9
Engineers.....	4	301	2 07	623 07	9.3
Finishers.....	9	296	1 62	479 52	9
Foremen.....	5	273	2 23	608 79	9.8
Helpers.....	6	300	1 40	420 00	9
Laborers.....	37	302	1 51	456 02	9.9
Machine hands.....	101	300	2 17	651 00	9.1
Mechanics.....	7	306	2 50	765 00	8
Sawyers.....	2	300	2 38	714 00	9.5
Teamsters.....	15	293	1 61	471 73	9.8
Watchman.....	1	300	1 25	375 00	10

SLAUGHTERING AND MEAT PACKING—2 ESTABLISHMENTS.

Butchers.....	11	312	2 34	730 08	10
Drivers.....	4	312	1 83	570 96	10
Engineer.....	1	312	1 92	599 04	10
Laborers.....	4	303	1 69	512 07	10

SOAP, CANDLES AND TALLOW—3 ESTABLISHMENTS.

Cutter.....	1	310	2 00	620 00	10
Drivers.....	2	310	2 00	620 00	10
Engineer.....	1	310	3 00	930 00	10
Fireman.....	1	310	2 00	620 00	10
Laborers.....	4	310	1 90	589 00	10
Presser.....	1	310	2 00	620 00	10
Soap makers.....	3	307	1 92	589 44	10

SODA AND MINERAL WATERS—2 ESTABLISHMENTS.

Bottlers.....	5	310	2 07	641 70	10
Bottle washers.....	6	310	1 13	350 30	10
Hostlers.....	2	310	1 72	533 20	10
Teamsters.....	7	310	2 07	641 70	10

STARCH—2 ESTABLISHMENTS.

Laborers.....	35	300	1 50	450 00	10
Mixer.....	1	153	1 80	275 40	9

TABLE IV^b—MANUFACTURES—COLUMBUS—Continued.

STEEL, IRON AND TIN—3 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Blacksmiths.....	5	279	\$2 26	\$275 40	10.8
Blacksmiths' helper.....	1	300	1 65	395 00	10
Boiler cleaner.....	1	305	1 75	533 75	10
Boiler makers.....	3	305	2 25	686 25	10
Cagers.....	4	243	2 10	510 30	12
Carpenters.....	2	305	2 75	838 75	10
Catchers.....	2	300	3 25	975 00	10
Drag-outs.....	4	300	1 80	540 00	10
Engineers.....	11	286	2 50	715 00	10.5
Engineers' helpers.....	2	305	1 65	503 25	10
Faggot makers.....	4	300	2 25	675 00	10
Fillers.....	56	267	2 00	534 00	11
Fillers' helpers.....	34	305	1 65	503 25	10
Firemen.....	16	293	1 85	542 05	10.5
Foremen.....	10	304	2 77	842 08	10
Furnace hands.....	220	214	1 87	400 18	11.2
Heaters.....	4	330	7 50	2,475 00	10
Helpers.....	8	243	2 10	510 30	12
Iron breakers.....	4	305	2 00	610 00	10
Iron carriers.....	34	287	2 30	660 10	10.6
Keepers.....	8	274	2 38	652 12	11
Keepers' helpers.....	8	305	1 80	549 00	10
Laborers.....	130	303	1 57	475 71	10
Machinists.....	3	305	2 60	793 00	10
Mason.....	1	300	3 50	1,050 00	10
Molders.....	4	305	2 00	610 00	10
Molders' helpers.....	8	305	1 85	564 25	10
Ore hands.....	4	243	1 98	471 14	12
Pipe fitters.....	3	305	1 70	518 50	10
Puddlers.....	12	300	5 50	1,650 00	10
Puddlers' helpers.....	12	300	3 25	975 00	10
Pumpers.....	4	305	2 00	610 00	10
Rollers.....	3	300	8 50	2,550 00	10
Roll hands.....	15	300	1 75	525 00	10
Roll turner.....	1	300	5 00	1,500 00	10
Roughers.....	5	300	3 25	975 00	10
Shearmen.....	4	300	2 00	600 00	10
Shearmen s helpers.....	4	300	1 75	525 00	10
Skip men.....	4	305	2 10	640 50	10
Snappers.....	16	243	2 00	486 00	12
Steel workers.....	210	183	2 09	372 47	11.4
Store hands.....	4	243	2 10	510 30	12
Straighteners.....	6	300	1 60	480 00	10

STONE (CUT, SAWED AND ARTIFICIAL) — 2 ESTABLISHMENTS.

Finishers.....	6	253	3 00	759 00	10
Foreman.....	1	280	2 25	630 00	10
Laborers.....	49	264	1 55	469 20	10
Mixers.....	4	280	2 00	560 00	10
Step setters.....	3	280	2 00	560 00	10
Teamsters.....	4	280	1 65	462 00	10
Teamsters (with team).....	9	253	2 83	715 99	10

STOVES, RANGES AND FURNACES—10 ESTABLISHMENTS.

Apprentices.....	3	300	1 75	525 00	10
Body makers.....	4	300	2 50	750 00	10
Casting cleaner.....	1	250	1 75	437 50	10
Cupola tender.....	1	250	1 75	437 50	10
Draughtsman.....	1	310	1 81	561 10	10
Engineers.....	2	300	2 00	600 00	10
Iron workers.....	14	310	1 84	570 40	10
Laborers.....	62	283	1 55	438 65	9.8
Molders.....	70	283	2 86	809 38	10
Mounters.....	38	294	2 40	705 60	9.7
Painter.....	1	253	2 50	632 50	10

TABLE IVb—MANUFACTURES—COLUMBUS—Continued.

TINWARE, SHEET-IRON AND GALVANIZED IRONWARE—10 ESTABLISHMENTS.
Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pattern makers.....	4	300	\$2 50	\$750 00	10
Range makers.....	5	250	1 50	375 00	10
Sheet-iron workers.....	13	274	2 54	695 98	9.5
Teamsters.....	4	287	1 75	502 25	10
Tinners.....	21	303	2 06	624 18	9.8

TINWARE, SHEET-IRON AND GALVANIZED IRONWARE—10 ESTABLISHMENTS.

Blacksmith.....	1	303	2 75	833 25	10
Foundry hands.....	16	303	2 40	727 20	10
Helpers.....	5	307	70	214 90	10
Laborers.....	63	299	1 84	550 16	10
Machinists.....	7	303	2 92	884 76	9.4
Metal workers.....	57	306	1 66	507 96	8.3
Packers.....	2	300	2 25	675 00	8
Packers (boys).....	6	307	55	168 85	10
Pattern makers.....	3	302	3 08	930 16	9.3
Pressmen.....	24	302	2 07	625 14	8.6
Sheet metal workers.....	6	300	2 50	750 00	8
Shipping clerk.....	1	307	1 65	506 55	10
Steel workers.....	15	300	2 45	735 00	8
Tinners.....	17	219	1 96	429 24	9.1
Watchman.....	1	307	2 00	614 00	12

TOOLS—6 ESTABLISHMENTS.

Apprentices.....	2	279	80	223 20	10
Blacksmith.....	1	300	2 25	675 00	10
Engineer.....	1	303	2 00	606 00	10
File cutters.....	16	300	2 00	600 00	10
Foreman.....	1	306	4 50	1,377 00	10
Forgers.....	2	300	2 00	600 00	10
Grinders.....	7	304	2 57	781 28	10
Helpers.....	2	290	1 70	493 00	10
Machinists.....	39	300	2 83	849 00	10
Saw makers.....	27	304	3 32	1,006 28	9
Saw makers' helpers.....	13	306	1 50	459 00	9
Tool makers.....	61	303	1 82	551 46	10

TRUNKS AND VALISES—3 ESTABLISHMENTS.

Trunk makers.....	36	309	2 22	685 98	10
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WIRE RODS, WIRE CLOTH AND WIRE GOODS—4 ESTABLISHMENTS.

Annealer.....	1	306	1 00	306 00	10
Drawers.....	2	306	3 25	994 50	10
Helpers.....	5	309	1 00	309 00	9.2
Insulators.....	2	306	1 35	413 10	10
Laborers.....	19	306	1 60	489 60	9.6
Machinist.....	1	303	2 50	757 50	10
Millwright.....	1	302	2 00	604 00	10
Piece workers.....	9	303	1 75	530 25	10
Scroll workers.....	3	309	2 50	772 50	9.2
Wire workers.....	2	200	1 50	300 00	9

MISCELLANEOUS—32 ESTABLISHMENTS.

Acid makers.....	8	306	1 80	550 80	12
Apprentices.....	11	304	82	249 28	9.8
Artists.....	4	300	4 00	1,200 00	8
Assorters.....	3	300	2 00	600 00	9
Bench hands.....	2	309	1 25	386 25	9.5
Blacksmiths.....	4	170	2 63	447 10	10
Blacksmith's helper.....	1	310	1 75	542 50	10

TABLE IVb—MANUFACTURES—COLUMBUS—Continued.

MISCELLANEOUS—32 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Box makers.....	2	299	\$1 60	\$478 40	9
Buffers.....	12	303	2 13	645 39	10
Calendar hand.....	1	307	2 50	767 50	9
Cap maker.....	1	306	1 80	550 80	10
Carpenters.....	4	302	2 56	773 12	9
Core makers.....	2	303	2 08	630 24	10
Coaters.....	3	307	2 50	767 50	9
Collar makers.....	3	310	1 50	465 00	10
Cutters.....	4	300	1 64	492 00	9.5
Draymen.....	5	304	1 46	443 84	9.4
Electricians.....	14	306	2 43	743 58	9
Embosser.....	1	306	2 50	765 00	10
Engineers.....	5	304	2 38	728 28	10.5
Errand boy.....	1	300	50	150 00	10
Feather workers.....	2	313	1 75	547 75	9
Finishers.....	7	302	1 67	504 34	9.7
Firemen.....	2	303	1 38	414 14	9
Foremen.....	8	292	2 52	735 84	9.2
Furdresser.....	1	310	1 50	465 00	10
Granite letterers.....	4	300	2 25	675 00	10
Grinders.....	2	310	1 84	570 40	10
Hat workers.....	6	306	1 80	550 80	10
Helpers.....	19	305	1 12	341 60	9.1
Laborers.....	36	293	1 62	474 66	9.8
Laborers (boys).....	3	292	67	195 64	10
Leather workers.....	13	306	1 54	471 24	10
Locksmiths.....	3	308	1 67	514 36	10
Machine hands.....	19	300	1 73	519 00	9.1
Machinists.....	44	304	2 11	641 44	10
Marble cutters.....	3	306	2 50	765 00	10
Mattress makers.....	15	313	1 70	532 10	9
Mechanics.....	3	300	1 60	480 00	9
Metal workers.....	87	306	2 19	670 14	10
Mill hands.....	68	306	1 50	459 00	10
Mixers.....	3	307	1 50	460 50	10
Molders.....	9	305	2 75	838 75	10
Oil boiler.....	1	307	3 00	921 00	9
Packers.....	11	303	1 46	442 38	9.9
Painters.....	17	305	1 94	591 70	10
Paste maker.....	1	300	1 70	510 00	10
Pattern makers.....	2	303	3 13	1,008 39	10
Platers.....	2	303	2 95	893 85	10
Polishers.....	3	306	1 91	584 46	10
Printer.....	1	307	2 50	767 50	9
Riveters.....	4	300	1 75	525 00	9
Rubbers.....	2	306	1 75	535 50	10
Sawyer.....	1	297	2 25	668 25	10
Seal maker.....	1	260	1 51	392 60	10
Sheet metal workers.....	4	303	1 72	521 16	10
Spring bed makers.....	7	313	1 55	485 15	9
Stock keeper.....	1	304	2 50	760 00	10
Stringers.....	2	309	1 00	309 00	9.5
Tailors.....	23	306	2 49	769 41	10
Teamsters.....	3	312	1 60	499 20	9.3
Tile setters.....	3	306	3 50	1,071 00	8
Tinner.....	1	290	1 75	507 50	10
Tool maker.....	1	303	3 50	1,060 50	10
Trunk makers.....	43	306	1 29	394 74	10
Varnishers.....	3	309	1 17	361 53	9.3
Watchmen.....	3	303	1 87	566 61	11.3
Wire workers.....	2	234	1 17	273 78	8
Wood workers.....	75	306	1 78	546 08	10
Yeastmaker.....	1	45	1 50	67 50	10

TABLE IVb—MANUFACTURES—COLUMBUS—Continued.

AWNINGS, TENTS AND FLAGS—4 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Machine operators.....	6	213	\$0 88	\$187 44	9.5
Seamstresses.....	9	310	1 08	334 80	10

BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—1 ESTABLISHMENTS.

Upholsterers.....	2	311	1 38	429 18	9.5
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BILLIARD TABLES, BAR AND STORE FIXTURES—1 ESTABLISHMENT.

Laborers.....	6	312	90	280 80	12
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BOOTS AND SHOES—9 ESTABLISHMENTS.

Cutters.....	121	306	1 39	425 34	9.8
Fitters.....	942	307	1 10	337 70	9.8
Packers.....	106	306	83	253 98	9.8
Shoe makers.....	20	200	1 00	200 00	10
Stitchers.....	50	309	1 04	321 36	9.3
Table hands.....	7	303	30	90 90	10

BOXES (PAPER)—2 ESTABLISHMENTS.

Box makers.....	71	304	55	167 20	9.8
Gluers.....	3	307	85	260 95	10
Helpers.....	20	307	48	147 36	10
Machine hands.....	20	307	95	291 65	10

BOXES (WOODEN)—2 ESTABLISHMENTS.

Box maker.....	1	300	1 00	300 00	10
Hingers.....	2	300	75	225 00	10
Pasters.....	12	300	75	225 00	10

BREAD AND OTHER BAKERY PRODUCTS—6 ESTABLISHMENTS.

Candy makers.....	13	314	87	273 18	10
Icers.....	4	228	60	136 80	10
Laborers.....	5	363	77	279 51	10
Packers.....	54	292	76	221 92	10
Wrapper.....	1	228	80	182 40	10

BROOMS AND BRUSHES—1 ESTABLISHMENT.

Laborers.....	3	300	75	225 00	10
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CARRIAGES AND WAGONS—6 ESTABLISHMENTS.

Machine hands.....	12	309	1 00	309 00	9
Trimmers.....	17	300	1 01	303 00	8.9

CARRIAGE AND WAGON MATERIALS—2 ESTABLISHMENTS.

Machine hands.....	16	250	1 00	250 00	10
Stitchers.....	25	250	1 00	250 00	9

CIGARS—12 ESTABLISHMENTS.

Bunch breakers.....	23	275	1 04	286 00	8.5
Cigar makers.....	77	302	77	232 54	9
Packers.....	26	275	1 10	302 50	8.8
Rollers.....	40	278	1 01	280 78	8.3
Stogie maker.....	1	216	1 00	216 00	5
Strippers.....	31	279	64	178 56	7.8

TABLE IVb—MANUFACTURES—COLUMBUS—Continued.

CLOTHING—41 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Busheler.....	1	307	\$1 33	\$408 31	10
Finishers.....	3	305	1 00	305 00	10
Folders.....	3	289	95	274 55	9.6
Forewoman.....	1	276	1 50	421 00	9.5
Helpers.....	6	291	92	267 72	10
Inspectors.....	2	296	1 00	296 00	10
Machine hands.....	77	281	1 10	309 10	9
Pressers.....	2	296	1 00	296 00	10
Seamstresses.....	6	170	1 50	255 00	9.5
Skirt makers.....	40	300	1 27	381 00	9.6
Tailoresses.....	27	302	1 34	404 68	9.3
Trouser makers.....	71	285	1 47	417 55	9.7
Vest makers.....	53	287	1 52	436 24	9.6

COFFEE, BAKING POWDER AND SPICES—2 ESTABLISHMENTS.

Packers.....	13	306	1 23	375 38	7.7
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CONFECTIONERY—4 ESTABLISHMENTS.

Chocolate dippers.....	62	306	71	462 06	9.9
Forewoman.....	3	306	1 50	459 00	10
Packers.....	23	307	61	187 27	10
Stock keepers.....	2	306	1 25	382 50	10
Wrappers.....	12	306	50	183 00	10

COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—2 ESTABLISHMENTS.

Folders.....	2	255	70	178 50	10
Seamstresses.....	41	255	88	224 40	9
Spinner.....	1	255	1 00	255 00	10
Spooler.....	1	255	67	170 85	10
Weavers.....	13	255	1 10	280 50	10

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—7 ESTABLISHMENTS.

Advertisers.....	4	306	69	211 14	10
Clerks.....	3	306	1 35	413 10	10
Delivery hand.....	1	306	1 00	306 00	10
Labeler.....	1	300	1 00	300 00	10
Laboratory hands.....	8	306	67	205 02	10
Laborers.....	96	300	76	228 00	9.5
Optical hands.....	2	306	75	229 50	10
Orthopedic hand.....	1	306	1 00	306 00	10
Packers.....	3	158	50	79 00	10
Pill makers.....	6	306	84	197 04	10
Printers.....	19	303	99	299 97	9.6
Prescription hands.....	4	306	1 00	306 00	10
Shipping clerk.....	1	306	1 00	306 00	10
Wrapper.....	1	306	1 00	306 00	10

EXTRACTS, TOILET ARTICLES AND PERFUMERY—1 ESTABLISHMENT.

Bottler.....	1	269	50	134 50	8
Laborer.....	1	269	50	134 50	8

FOUNDRY AND MACHINE SHOP PRODUCTS—3 ESTABLISHMENTS.

Assorter.....	1	305	80	244 00	10
Core makers.....	3	300	1 50	450 00	9
Machine hands.....	3	305	1 00	305 10	10
Wrappers.....	2	305	80	244 00	10

FURNITURE— 2 ESTABLISHMENTS.

Piano cover makers.....	25	306	80	244 80	10
Sewers.....	8	250	1 25	312 50	10

TABLE IVb—MANUFACTURES—COLUMBUS—Continued.

FURS—2 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Finishers.....	5	300	\$1 50	\$450 00	9
Liners.....	3	300	1 50	450 00	9
Milliners.....	2	300	2 00	600 00	9
Operator.....	1	300	2 00	600 00	9
Sewers.....	11	268	1 16	310 88	9

GLASS AND GLASSWARE—3 ESTABLISHMENTS.

Designer.....	1	308	3 00	924 00	8
Laborers.....	90	294	81	238 14	9.8

GLOVES AND MITTENS—3 ESTABLISHMENTS.

Forewoman.....	1	201	1 50	301 50	9.2
Glove makers.....	30	201	1 20	241 20	9.2
Inspectors.....	2	302	1 00	302 00	9.5
Machine hands.....	32	301	1 00	301 00	9.3

HARNESS AND SADDLERY—2 ESTABLISHMENTS.

Laborers.....	25	295	1 00	295 00	10
Machine hands.....	10	300	74	222 00	10
Sewers.....	2	300	70	210 00	10
Stringer.....	1	300	50	150 00	10

HATS, CAPS AND FURNISHINGS—5 ESTABLISHMENTS.

Cap makers.....	5	275	1 00	275 00	9.5
Forewoman.....	1	312	1 25	390 00	9
Hat makers.....	4	187	1 13	211 20	9
Milliners.....	50	265	1 00	265 00	9
Seamstresses.....	25	260	1 07	278 20	8.3

JEWELRY AND WATCHES—1 ESTABLISHMENT.

Jewelers.....	3	190	1 00	290 00	9
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LIGHTING APPARATUSES—4 ESTABLISHMENTS.

Blowers.....	2	52	84	43 68	10
Cleaners.....	12	290	83	66 70	10
Forewoman.....	1	52	1 67	86 84	10
Japanners.....	4	290	1 00	290 00	10
Mantel makers.....	48	188	89	167 32	9.6
Solderers.....	10	290	83	240 70	10
Trimmers.....	2	52	84	43 68	10

LITHOGRAPHING, ENGRAVING AND ELECTROTYPING—2 ESTABLISHMENTS.

Artist.....	1	307	1 17	359 19	8.5
Padder.....	1	308	1 50	462 00	9
Perforator.....	1	308	1 12	344 96	9

PAINTS AND VARNISHES—2 ESTABLISHMENTS.

Labelers.....	4	303	77	233 31	9.2
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PRINTING AND BINDING—21 ESTABLISHMENTS.

Binders.....	52	308	91	280 28	9.1
Compositors.....	5	304	1 50	456 00	9.5
Copy holder.....	1	306	1 50	459 00	9.5
Feeders.....	23	307	82	251 74	9.4
Folders.....	48	306	99	302 94	9.3
Laborers.....	4	310	75	232 50	9
Linotype operator.....	1	302	3 00	906 00	8
Machine hands.....	5	308	95	292 60	9
Sewers.....	2	306	1 50	459 00	9.5
Solicitor.....	1	309	1 50	463 50	9

TABLE IVb—MANUFACTURES—COLUMBUS—Concluded.
RUGS AND CARPET CLEANING—4 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Clippers.....	2	306	\$0 60	\$183 60	10
Cleaner.....	1	313	1 00	313 00	10
Fringers.....	2	306	75	229 50	10
Sewers.....	21	301	78	234 78	9.8
SOAP, CANDLES AND TALLOW—2 ESTABLISHMENTS.					
Laborer.....	1	310	75	232 50	10
Wrappers.....	3	310	1 00	310 00	9
STARCH—2 ESTABLISHMENTS.					
Laborers.....	5	300	75	225 00	10
Packers.....	7	153	1 00	153 00	9
STOVES, RANGES AND FURNACES—2 ESTABLISHMENTS.					
Asbestos fitters.....	4	253	83	209 99	10
Laborers.....	3	310	1 25	387 50	9
TRUNKS AND VALISES—1 ESTABLISHMENT.					
Liners.....	3	300	1 20	360 00	10
MISCELLANEOUS—10 ESTABLISHMENTS.					
Cap makers.....	37	306	94	287 64	10
Casket makers.....	10	299	1 25	373 75	9
Cutters.....	5	286	1 00	286 00	8.8
Embossers.....	5	306	68	208 08	10
Embroidery hands.....	73	306	1 20	367 20	10
Feather worker.....	1	313	1 25	391 25	9
Forewoman.....	1	299	2 25	672 75	9
Hat makers.....	3	306	1 01	309 06	10
Hem turners.....	2	300	50	150 00	10
Laborers.....	5	292	63	183 96	9.6
Leather workers.....	6	306	77	235 62	10
Liners.....	4	300	60	180 00	9
Machine hands.....	8	247	92	227 24	9
Mattress makers.....	6	313	1 00	313 00	9
Polishers.....	12	306	75	229 50	10
Robe and lining makers.....	5	299	1 25	373 75	9
Seamstresses.....	130	306	1 23	376 38	10
Shade mounters.....	3	300	1 00	300 00	9
Tailoresses.....	89	306	1 04	318 24	10
Trunk makers.....	18	306	79	241 83	10
Wrappers.....	2	45	50	22 50	10

TABLE IVbb—MANUFACTURES—COLUMBUS.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Awnings, tents and flags.....	Awning maker.....	1	25	.....
	Cutter.....	1	25	.....
Boilers, engines and tanks.....	Drill press hands.....	2	12.5	.....
	Engineer.....	1	12.5	.....
	Lathe hands.....	4	12.5	.....
	Machinists.....	3	10	.....
	Machinists' helpers.....	3	10	.....
	Pattern maker.....	1	7	.....
	Planer hand.....	1	12.5	.....
Boots and shoes.....	Bottomers.....	415	2	.....
	Cutters.....	135	2	.....
	Lasters.....	227	2	.....
	Stock fitters.....	110	2	.....
Boxes (paper).....	Compositor.....	5	5	.....
	Cutters.....	3	5	.....
	Die maker.....	1	5	.....
	Driver.....	1	5	.....
	Engineer.....	1	5	.....
	Laborers.....	2	5	.....
	Packers.....	10	5	.....
	Press feeders.....	6	5	.....
	Scorers.....	2	5	.....
	Shipping clerks.....	3	5	.....
Bread and other bakery products.....	Bakers.....	44	11.7	.....
	Candy makers.....	6	12.5	.....
	Hostler.....	1	9	.....
Brick and tile.....	Finishers.....	3	10	.....
	Laborers.....	14	10	.....
Carriages and wagons.....	Setter.....	1	10	.....
	Blacksmiths.....	74	3.9	.....
	Laborers.....	33	3.4	.....
	Painters.....	26	7.1	.....
	Trimmers.....	15	5.3	.....
	Wood workers.....	63	6	.....
Carriage and wagon materials.....	Wood workers.....	6	5	.....
	Bench hands.....	45	10.1	.....
	Blacksmiths.....	25	4.7	.....
	Dash makers.....	25	7.1	.....
	Hammermen.....	10	10	.....
	Machine hands.....	60	10	.....
Cigars.....	Apprentice.....	1	10	.....
	Bunch breaker.....	1	20	.....
	Cigar makers.....	15	19.1	.....
	Rollers.....	6	20	.....
	Strippers.....	3	16.7	.....
Clothing.....	Coat makers.....	62	8	.....
	Cutters.....	2	5	.....
	Jacket makers.....	3	5	.....
	Machine hand.....	1	15	.....
	Porter.....	1	5	.....
	Shipping clerk.....	1	5	.....
	Shirt makers.....	2	5	.....
	Stock hands.....	2	5	.....
	Tailors.....	5	20	.....
	Trimmer.....	1	5	.....
Coffee, baking powder and spices.....	Engineer.....	1	10	.....
	Foremen.....	2	10	.....
	Packers.....	20	11	.....
Copper and brass goods.....	Furnace tender.....	1	33.3	.....
	Pattern maker.....	1	33.3	.....
Dairy products.....	Butterine maker.....	40	4	.....
	Checkman.....	1	16.7	.....
	Drivers.....	5	16.	.....
	Ice cream makers.....	2	16.7	.....
	Packers.....	3	16.7	.....
Drugs, chemicals and druggists' sundries.....	Laborer.....	1	65	.....
Foundry and machine shop products.....	Chain makers.....	63	5	.....
	Core makers.....	1	5	.....
	Heaters (boys).....	12	5	.....
	Helpers.....	8	5	.....
	Inspectors.....	7	5	.....
	Link winders.....	22	5	.....
	Machinists.....	5	10	.....
	Molders.....	35	5	.....

TABLE IV^{bb}—MANUFACTURES—COLUMBUS—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Furs.....	Cutters.....	2	10	.....
".....	Nailer.....	1	10	.....
".....	Porter.....	1	15	.....
Glass and glassware.....	Machinists.....	10	8	.....
Hats, caps and furnishings.....	Apprentice.....	1	25	.....
".....	Cutter.....	1	12.5	.....
Ice (artificial).....	Firemen.....	3	6.7	.....
".....	Laborers.....	14	9.4	.....
Iron (structural and architectural).....	Bridge workers.....	28	3.5	.....
".....	Laborers.....	38	3.5	.....
".....	Mechanics.....	3	9.5	.....
".....	Stock hand.....	1	4.4	.....
Jewelry and watches.....	Polisher.....	1	10	.....
".....	Repairer.....	1	10	.....
Leather and leather goods.....	Laborers.....	10	10	.....
Lime, sand, cement and plaster.....	Coal shovelers.....	2	2	.....
".....	Laborers.....	10	10	.....
".....	Yard hand.....	1	5	.....
Liquors (malt).....	Bottlers.....	7	6	.....
".....	Brewers.....	16	6	.....
".....	Cellar hands.....	55	6.9	.....
".....	Coopers.....	4	7	.....
".....	Drivers.....	37	8.7	.....
".....	Engineers.....	10	5	.....
".....	Firemen.....	6	5	.....
".....	Helpers.....	4	5	.....
".....	Malt house hands.....	4	6	.....
".....	Wash house hands.....	32	7	.....
Lithographing, engraving and electrotyping	Apprentices.....	6	28.2	.....
".....	Artists.....	7	27.6	.....
".....	Editors.....	2	2	.....
".....	Etchers.....	5	31	.....
".....	Etcher.....	1	.....	10
".....	Finishers.....	5	23.2	.....
".....	Machinists.....	2	11.1	.....
".....	Photographers.....	8	53	.....
".....	Proof readers.....	2	.....	20
".....	Proof reader.....	1	20	.....
".....	Router.....	1	20	.....
".....	Shipping clerk.....	1	.....	20
".....	Truckman.....	1	5	.....
Machinery.....	Carpenters.....	3	3	.....
".....	Driver.....	1	10	.....
".....	Electricians.....	2	12.5	.....
".....	Erectors.....	10	.....	4.3
".....	Helper.....	1	20	.....
".....	Iron workers.....	6	27	.....
".....	Laborers.....	5	10	.....
".....	Machinists.....	45	16.8	.....
".....	Pattern maker.....	1	10	.....
".....	Teamster.....	1	3.5	.....
Printing and binding.....	Compositors.....	25	7.8	.....
".....	Engineer.....	1	20	.....
".....	Feeders.....	6	6.7	.....
".....	Laborers.....	6	10	.....
".....	Pressmen.....	3	8.6	.....
Sash, doors, lumber and interior finish.....	Engineer.....	1	10	.....
".....	Foremen.....	2	10	.....
".....	Laborers.....	16	10.6	.....
".....	Machine hands.....	3	10	.....
".....	Teamsters.....	10	7	.....
".....	Yard hands.....	2	10	.....
Soap, candles and tallow.....	Engineer.....	1	25	.....
".....	Laborers.....	4	23.2	.....
Stoves, ranges and furnaces.....	Mounters.....	8	5	.....
".....	Tinners.....	16	5	.....
Tinware, sheet-iron and galvanized ironware	Beaders.....	5	16.7	.....
".....	Foundry hands.....	16	3	.....
".....	Laborers.....	59	5.5	.....
".....	Machinists.....	7	6	.....
".....	Packers.....	2	2	.....

TABLE IV^{bb}—MANUFACTURES—COLUMBUS—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Tinware sheet-iron and galvanized ironware	Pattern makers.....	2	10	.....
" " "	Pressmen.....	17	2	.....
" " "	Shipping clerk.....	1	16.7	.....
" " "	Steel workers.....	15	2	.....
" " "	Tinners.....	4	12.5	.....
Tools.....	Apprentices.....	2	60	.....
Trunks and valises.....	Trunk makers.....	24	10	.....
Wire rods, wire cloth and wire goods.....	Annealer.....	1	10	.....
" " "	Insulators.....	2	10	.....
" " "	Machinist.....	1	25	.....
" " "	Millwright.....	1	10	.....
" " "	Wire drawers.....	2	20	.....
Miscellaneous.....	Bench hands.....	2	9.5	.....
" " "	Carpenters.....	3	10	.....
" " "	Coaters.....	3	12.5	.....
" " "	Cutters.....	2	10	.....
" " "	Electricians.....	14	23	.....
" " "	Engineer.....	1	25	.....
" " "	Foreman.....	1	10	.....
" " "	Granite letterers.....	4	25	.....
" " "	Helper.....	1	9.5	.....
" " "	Laborers.....	13	16.2	.....
" " "	Machine hands.....	2	9.5	.....
" " "	Mixers.....	3	10	.....
" " "	Oil boiler.....	1	50	.....
" " "	Packer.....	1	16.7	.....
" " "	Paste maker.....	1	10	.....
" " "	Piano stringers.....	2	9.5	.....
" " "	Printer.....	1	25	.....
" " "	Riveters.....	4	10	.....
" " "	Tinner.....	1	10	.....
" " "	Trimmer.....	1	12.5	.....
" " "	Varnishers.....	3	9.7	.....
" " "	Watchman.....	1	20	.....
Totals and averages.....		2,451	6.1	.....
		20	.....	7.1

TABLE IV^{bb}—MANUFACTURES—COLUMBUS—Concluded.

Table by Industries Showing the Number in Each Occupation Affected by a
Change in Wages for the Year 1903.

Industries.	Occupation — Female.	Number of employes.	Advanced employes.	Reduced per cent.
Awings, tents and flags.....	Seamstresses.....	3	15	.....
Boots and shoes.....	Cutters.....	77	2	.....
".....	Fitters.....	615	2	.....
".....	Packers.....	15	2	.....
Boxes (paper).....	Box makers.....	57	5	.....
".....	Gluers.....	20	5	.....
".....	Helpers.....	20	5	.....
Bread and other bakery products.....	Machine hands.....	20	5	.....
".....	Candy makers.....	9	12.5	.....
".....	Dish washer.....	1	20	.....
".....	Helpers.....	4	15	.....
Carriages and wagons.....	Trimmer.....	1	5	.....
Carriage and wagon materials.....	Dash stitchers.....	25	10	.....
Cigars.....	Bunch breakers.....	8	20	.....
".....	Packers.....	2	10	.....
".....	Rollers.....	19	20	.....
".....	Strippers.....	12	25	.....
Clothing.....	Fore lady.....	1	10	.....
".....	Machine hands.....	57	7	.....
".....	Pant makers.....	29	8.9	.....
".....	Shirt makers.....	22	1.4	.....
".....	Tailoresses.....	9	10	.....
".....	Vest makers.....	16	8.8	.....
".....	Wrapper.....	1	10	.....
Furs.....	Laborers.....	4	10	.....
".....	Seamstresses.....	7	10	.....
".....	Trimmers.....	2	10	.....
Hats, caps and furnishings.....	Milliners.....	50	10	.....
Lithographing, engraving and electrotyping.	Artist.....	1	75	.....
Printing and binding.....	Binders.....	4	7	.....
".....	Compositors.....	2	5	.....
".....	Laborers.....	4	10	.....
".....	Machine hands.....	5	6	.....
Trunks and valises.....	Trunk liners.....	3	10	.....
Miscellaneous.....	Liners.....	4	10	.....
Totals and averages.....		1,090	4.6	.....

TABLE IV_c—MANUFACTURES—CINCINNATI.

· ADVERTISING NOVELTIES AND SIGNS—2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Engineers.....	2	304	\$2 88	\$875 52	9.5
Glass workers.....	15	300	1 60	480 00	10
Novelty makers.....	11	308	1 25	385 00	9.3
Packers.....	4	308	1 50	462 00	9.3
Printers.....	35	308	1 75	539 00	9.3
Sign makers.....	10	300	1 60	480 00	10
Watchman.....	1	308	1 50	462 00	9.3

AWNINGS, TENTS AND FLAGS—7 ESTABLISHMENTS.

Awning hangers.....	8	286	1 81	517 66	10
Awning makers.....	2	306	1 50	459 00	10
Blacksmiths.....	1	308	2 25	693 00	10
Blacksmith's helper.....	1	308	2 00	616 00	10
Carpenter.....	1	360	2 00	720 00	10
Collector.....	1	308	1 60	492 80	10
Compositors.....	12	360	3 00	1,080 00	10
Cutters.....	4	348	2 38	828 24	10
Cutters' helper.....	1	312	2 00	624 00	10
Drivers.....	11	308	1 66	511 28	10
Engineer.....	1	360	2 75	990 00	10
Feeders.....	6	360	2 00	720 00	10
Finishers.....	8	302	1 56	471 12	10
Fireman.....	1	360	1 67	601 20	10
Flag workers.....	2	360	3 00	1,080 00	10
Foreman.....	1	308	2 50	770 00	10
Helper.....	1	232	1 25	270 00	10
Laborers.....	3	300	1 75	525 00	10
Mill-wright.....	1	360	2 50	900 00	10
Packers.....	3	360	2 50	900 00	10
Porters.....	3	360	1 16	417 60	10
Pressmen.....	6	360	3 00	1,080 00	10
Ropers.....	3	232	2 50	580 00	10
Sewers.....	3	303	1 83	554 49	10
Wood workers.....	5	312	2 00	624 00	10

BAGS (PAPER AND BURLAP)—5 ESTABLISHMENTS.

Bag makers.....	4	289	1 25	361 25	10
Box makers.....	3	289	1 65	476 85	10
Compositors.....	36	304	1 36	413 44	9.9
Driver.....	1	313	1 50	469 50	9
Engineers.....	2	312	2 58	804 96	9.5
Engravers.....	1	312	2 67	833 04	10
Finishers.....	2	310	1 50	465 00	10
Foremen.....	2	313	2 12	663 56	9
Laborers (boys).....	8	310	50	155 00	10
Machine hands.....	4	310	2 00	620 00	10
Porter.....	1	313	1 50	469 50	9
Pressmen.....	8	310	1 76	545 60	9.7
Sack makers.....	13	312	1 44	449 28	10
Wrappers.....	2	310	2 00	620 00	10

BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—2 ESTABLISHMENTS.

Machinists.....	6	308	2 12	652 96	10
Machinists' helper.....	1	313	1 50	469 50	10

BILLIARD TABLES, BAR AND STORE FIXTURES—11 ESTABLISHMENTS.

Blacksmith.....	1	300	2 50	750 00	9
Cabinet makers.....	156	305	2 25	686 25	9.3
Carpenters.....	40	308	2 25	693 00	9
Carvers.....	3	309	2 17	670 53	9
Casing cleaners.....	16	302	1 94	585 88	9
Drivers.....	10	305	1 78	542 90	9.5

TABLE IV_c—MANUFACTURES—CINCINNATI—Continued.
BILLIARD TABLES, BAR AND STORE FIXTURES—11 ESTABLISHMENTS.
Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Engineers.....	7	305	\$2 47	\$753 35	9.4
Errand boy.....	1	310	65	201 50	10
Filler.....	1	310	1 25	387 50	10
Finishers.....	20	301	1 73	520 73	9.6
Fireman.....	1	300	1 75	525 00	10
Foremen.....	3	300	1 75	525 00	10
Frizzers.....	3	310	2 00	620 00	9.8
Glaziers.....	5	302	1 88	567 76	10
Laborers.....	14	304	1 42	431 68	9.5
Machine hands.....	35	305	2 27	692 35	9.2
Machinists.....	33	307	2 06	632 42	9.1
Packers.....	13	306	1 62	495 72	9.5
Rubbers.....	6	310	1 54	477 40	9.8
Sawyers.....	5	310	1 67	517 70	9.8
Show case makers.....	8	300	2 00	600 00	10
Slate driller.....	1	310	1 75	542 50	10
Tinners.....	2	304	2 44	741 76	9
Tinners' helpers.....	2	308	1 00	308 00	9
Turner.....	1	310	2 00	620 00	9.8
Up-fitters.....	8	306	1 81	553 86	9.9
Varnishers.....	28	308	1 87	575 96	9.3

BOILERS, ENGINES AND TANKS—8 ESTABLISHMENTS.

Apprentices.....	9	305	57	173 85	9.4
Blacksmiths.....	8	305	2 73	832 65	9.6
Blacksmiths' helpers.....	3	305	1 60	488 00	9.2
Boiler makers.....	42	300	2 69	807 00	9.8
Boiler makers' helpers.....	16	311	2 00	622 00	10
Carpenters.....	2	306	2 20	673 20	9.6
Coppersmith.....	1	305	2 17	661 85	9.2
Draughtsmen.....	3	304	4 17	1,267 68	8
Drill press hands.....	3	306	1 75	535 50	10
Driver.....	1	311	1 50	466 50	10
Engineers.....	4	306	2 57	786 42	9.5
Errand boys.....	2	305	64	195 20	9.2
Foremen.....	3	305	4 21	1,284 05	9.7
Helpers.....	52	302	1 63	492 26	9
Hostler.....	1	305	1 70	518 50	9.2
Iron workers.....	35	303	2 16	654 48	9.3
Laborers.....	55	304	1 47	446 88	9.8
Laborers (boys).....	2	257	1 00	257 00	9
Lathe hands.....	8	306	2 15	657 90	10
Machinists.....	62	305	2 39	728 95	9.5
Molders.....	4	305	1 86	567 30	9.2
Molders' helpers.....	2	305	1 60	488 00	9.2
Nickel plater.....	1	305	3 06	933 30	9.2
Painter.....	1	306	2 25	688 50	10
Pattern makers.....	4	304	2 83	860 32	9.8
Pipe fitters.....	3	305	2 38	725 90	9.2
Pipe fitters' helpers.....	4	305	1 28	390 40	9.2
Planer.....	1	306	2 50	765 00	10
Polishers.....	4	305	2 20	671 00	9.2
Riveters.....	30	304	1 92	583 68	10
Rivet heaters.....	8	304	98	297 92	10
Stock keepers.....	2	305	1 38	420 90	9.2
Time keepers.....	2	305	1 74	530 70	9.2
Vise hands.....	8	306	2 11	645 66	10
Watchman.....	1	304	1 66	504 64	10

BOOTS AND SHOES—27 ESTABLISHMENTS.

Apprentices.....	6	300	60	180 00	9.5
Bottomers.....	985	276	1 91	527 16	9.9
Bottomers (boys).....	50	280	90	252 00	10
Crimpers.....	2	295	2 00	590 00	10

TABLE IV_c—MANUFACTURES—CINCINNATI—Continued.

BOOTS AND SHOES—27 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Cutters.....	816	279	\$1 94	\$541 26	9.9
Cutters' helpers.....	102	247	2 93	229 71	10
Edge setter.....	1	220	2 25	495 00	10
Engineers.....	4	290	2 79	809 10	10
Finishers.....	419	276	1 89	521 64	9.9
Finishers (boys).....	67	281	2 93	261 33	10
Fitters.....	16	299	2 03	606 97	9.8
Fitters (boys).....	8	292	1 00	292 00	10
Foremen.....	5	274	3 07	841 18	10
Heelers.....	5	226	2 10	474 60	10
Helpers.....	74	294	73	214 62	10
Laborers.....	30	275	1 50	412 50	10
Laborers (boys).....	7	223	1 00	223 00	10
Lasters.....	776	278	1 99	555 21	9.9
Lasters (boys).....	100	261	1 00	261 00	9.8
Left cutters.....	5	300	2 75	225 00	10
McKay hands.....	68	284	2 23	633 32	10
Operators.....	8	295	3 00	885 00	10
Outsiders.....	6	300	1 00	300 00	10
Packers.....	63	273	1 74	475 02	9.8
Packers (boys).....	1	278	75	208 50	10
Pattern makers.....	15	277	1 57	434 89	10
Shipping clerks.....	3	295	2 00	590 00	10
Shoe makers.....	14	299	1 43	427 57	10
Sole leather hands.....	29	275	1 61	442 75	10
Sorters.....	2	300	2 25	675 00	9
Stitchers.....	13	222	3 12	692 64	9.5
Stitchers (boys).....	2	296	80	236 80	9.5
Stock hands.....	287	279	1 88	524 52	9.9
Stamper.....	1	295	75	221 25	10
Trees.....	22	296	2 09	618 64	9.9
Trimmers.....	7	229	1 96	448 84	10
Turners.....	5	312	1 68	524 16	10
Watchmen.....	2	280	2 00	560 00	10
Welts and turners.....	74	267	2 79	744 93	10

BOXES (PAPER)—7 ESTABLISHMENTS.

Box makers.....	10	295	1 30	383 50	10
Compositor.....	1	310	2 00	620 00	10
Cutters.....	19	307	1 87	574 09	10
Cutters (boys).....	6	305	1 08	329 40	10
Drivers.....	2	305	1 46	445 30	10
Ender.....	1	310	1 00	310 00	10
Foreman.....	1	300	2 00	600 00	10
Glueers.....	5	306	1 48	452 88	10
Glue makers.....	2	300	1 00	300 00	10
Helpers.....	14	315	90	283 50	10
Laborers (boys).....	3	287	50	143 50	10
Machine hands.....	2	275	1 25	343 75	10
Packer.....	1	300	75	225 00	10
Porter.....	1	310	1 50	465 00	10
Press feeders.....	3	310	1 00	310 00	10
Scorers.....	4	308	1 50	462 00	10
Shipping clerks.....	4	309	1 38	426 42	10
Tube rollers.....	2	315	1 25	393 75	10

BOXES (WOODEN)—11 ESTABLISHMENTS.

Box makers.....	15	300	1 67	501 00	10
Cutter.....	1	300	1 83	549 00	9
Drivers.....	14	283	1 50	424 50	10
Elevator hand.....	1	308	1 50	462 00	10
Engineers.....	6	290	2 42	701 80	10
Filers.....	3	275	2 20	605 00	10
Finisher.....	1	300	1 66	498 00	9
Foremen.....	2	303	3 17	960 51	10

TABLE IV_c—MANUFACTURES—CINCINNATI—Continued.

BOXES (WOODEN)—11 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1908.	Average daily wages.	Average yearly earnings, 1908.	Average hours of daily labor.
Helpers.....	12	289	\$0 92	\$265 88	10
Hingers.....	4	284	50	142 00	9.2
Laborers.....	54	296	1 37	405 52	10
Laborers (boys).....	36	292	1 76	221 92	10
Machine hands.....	10	296	2 05	606 80	10
Mechanics.....	32	300	1 50	450 00	10
Nailers.....	53	285	1 60	456 00	10
Nailers (boys).....	7	298	55	163 90	10
Planers.....	5	276	1 50	414 00	10
Printers.....	5	284	1 35	383 40	9.6
Printers (boys).....	2	284	50	142 00	10
Sawyers.....	57	288	1 74	501 12	9.9
Sorters.....	2	300	.66	198 00	9
Veneerers.....	3	308	1 66	511 28	10
Watchmen.....	2	303	1 58	478 74	10

BREAD AND OTHER BAKERY PRODUCTS—26 ESTABLISHMENTS.

Bakers.....	217	304	1 98	601 92	10.2
Bakers (boys).....	3	304	1 00	304 00	10
Benchmen.....	42	310	2 00	620 00	9
Box maker.....	1	307	1 08	331 56	10
Candy makers.....	2	307	3 25	997 75	9
Clerks.....	48	307	1 25	383 75	10
Coffee roasters.....	2	307	2 00	614 00	8
Coopers.....	3	310	1 67	517 70	10
Drivers.....	117	296	2 06	609 76	10
Elevator hands.....	2	309	1 34	414 06	10
Engineers.....	7	280	2 51	702 80	10.6
Firemen.....	6	306	1 63	498 78	10
Foremen.....	74	307	2 42	742 94	10
Helpers.....	83	305	1 09	332 45	9.8
Hostlers.....	6	307	1 66	509 62	12
Ice cream makers.....	6	365	1 70	620 50	10
Janitor.....	1	307	1 00	307 00	8
Laborers.....	27	308	1 34	412 72	9.1
Laborers (boys).....	15	312	1 08	412 00	10
Machine hands.....	3	310	2 00	260 00	10
Millers.....	3	214	2 50	535 00	12
Mixers.....	16	306	2 18	667 08	9.8
Oven tenders.....	6	310	2 25	697 50	9.5
Oven tenders' assistants.....	2	311	1 00	311 00	10
Peelers.....	3	310	2 11	654 10	10
Porters.....	25	308	1 50	462 00	10
Preserve maker.....	1	307	2 50	767 50	9
Roller hands.....	2	311	1 75	544 25	10
Watchmen.....	2	309	1 58	488 22	11

BRICK AND TILE—9 ESTABLISHMENTS.

Brick makers.....	40	125	1 55	193 75	9
Burners.....	13	185	2 19	405 15	10
Dumpers.....	4	175	1 38	241 50	9.5
Engineers.....	4	175	2 19	383 25	9.5
Fireman.....	1	200	1 60	320 00	10
Foreman.....	1	100	3 00	300 00	8
Laborers.....	17	176	1 39	244 64	10
Laborers (boys).....	1	160	50	80 00	10
Loaders.....	24	200	1 69	338 00	10
Machine hands.....	10	155	1 50	232 50	10
Miners.....	2	100	1 60	160 00	8
Molders.....	5	154	3 00	462 00	10
Mosaic workers.....	7	300	2 50	750 00	10
Off bearers.....	12	173	1 83	316 59	9.8
Pallet boy.....	1	100	1 00	100 00	8
Pit fillers.....	5	154	2 60	400 40	10
Puggers.....	2	200	1 10	220 00	10

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

BRICK AND TILE—9 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Rubbers.....	8	300	\$1 50	\$450 00	10
Sanders.....	2	100	1 63	163 00	8
Setters.....	21	180	1 94	349 20	10
Steam shovel hands.....	5	200	1 50	300 00	10
Teamsters.....	13	162	1 62	262 44	10
Temperers.....	2	150	2 00	300 00	10
Tile makers.....	8	276	1 50	414 00	10
Top hands.....	2	100	1 50	150 00	8
Truckers.....	4	100	1 75	175 00	8
Wheelers.....	8	134	2 22	297 48	9.3

BROOMS AND BRUSHES—9 ESTABLISHMENTS.

Broom makers.....	13	298	2 65	789 60	9.2
Brush makers.....	20	294	1 52	446 88	9.3
Brush makers (boys).....	35	308	1 00	308 00	10
Bunchers.....	2	293	1 50	439 50	9
Driver.....	1	295	2 15	634 25	10
Mop maker.....	1	300	2 00	600 00	9
Sewers.....	2	293	1 98	580 14	8.5
Sizers.....	1	295	1 20	354 00	8
Sizers (boys).....	2	290	1 65	188 50	9
Sorters.....	5	296	1 54	455 84	9.7
Tyers.....	2	290	2 00	580 00	9
Wire goods makers.....	22	308	1 25	385 00	10

BUNGS—3 ESTABLISHMENTS.

Bung maker.....	1	308	2 25	693 00	9
Coopers.....	5	306	1 50	459 00	9
Drivers.....	2	306	2 00	612 00	9
Elevator hands.....	16	306	1 50	459 00	9
Engineer.....	1	306	2 00	612 00	9
Foremen.....	7	306	3 65	1,116 90	9
Inspectors.....	3	306	2 90	887 40	9
Laborers.....	16	306	1 35	413 10	9
Laborers (boys).....	17	302	91	274 82	9.8
Machine hands.....	31	305	1 45	442 25	9.2
Machine hands' helpers.....	25	306	1 10	336 60	9
Machinists.....	4	306	2 55	780 30	9
Saw filer.....	1	306	2 15	657 90	9
Sorters.....	25	306	80	244 80	9

CARRIAGES AND WAGONS—51 ESTABLISHMENTS.

Assembler.....	1	300	2 75	825 00	8
Bench hands.....	50	280	2 00	560 00	10
Blacksmiths.....	348	265	2 26	598 90	9.3
Blacksmiths' helpers.....	27	303	1 57	475 71	9.6
Boxers.....	11	239	1 60	382 40	9.5
Craters.....	45	283	1 70	481 10	9.7
Cushion makers.....	4	290	1 88	545 20	9.7
Cutter.....	1	300	2 50	750 00	8
Drivers.....	7	285	1 69	481 65	9.3
Elevator hand.....	1	290	1 65	478 50	9.7
Engineers.....	3	231	2 30	531 30	9.7
Finishers.....	3	247	1 92	474 24	8.3
Finishers (boys).....	2	290	1 00	290 00	9.7
Foremen.....	17	298	3 47	1,034 06	8.8
Gear hands.....	10	277	2 10	581 70	9.7
Helpers.....	50	302	1 62	489 24	9.9
Horse shoer.....	1	289	3 00	867 00	9
Hostlers.....	2	221	1 50	331 50	9.5
Laborers.....	78	288	1 66	478 08	9.2
Laborers (boys).....	15	287	80	229 60	10
Machine hands.....	57	321	2 25	722 25	10
Mounters.....	29	285	2 23	635 55	8.9

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

CARRIAGES AND WAGONS—51 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Packers.....	25	261	\$1 62	\$422 82	10
Painters.....	626	270	2 20	594 00	9.4
Porters.....	4	288	1 23	354 24	9.5
Shipping clerks.....	2	285	1 25	356 25	7
Trimmers.....	394	274	2 44	668 56	9.3
Wagon maker.....	1	300	2 25	675 00	9.4
Ware room hands.....	98	272	1 73	470 56	9.4
Watchmen.....	2	295	1 63	480 85	9.9
Wood workers.....	153	292	2 29	668 68	9.6

CARRIAGE AND WAGON MATERIALS—16 ESTABLISHMENTS.

Blacksmiths.....	11	293	2 20	644 60	9.5
Body makers.....	31	294	2 00	588 00	10
Buffers.....	7	300	2 00	600 00	9.4
Cutter.....	1	300	1 50	450 00	9
Drivers.....	2	300	1 75	525 00	10
Engineers.....	4	301	2 62	788 62	10
Finishers.....	10	295	2 15	634 25	10
Fitters.....	22	295	2 00	590 00	10
Foremen.....	2	297	4 00	1,188 00	10
Forgers.....	20	295	2 00	580 00	10
Glass bevelers.....	11	296	1 77	523 92	9.1
Grinders.....	10	295	2 25	663 75	8
Helpers.....	4	300	1 00	300 00	10
Japanner.....	1	300	2 50	750 00	9
Laborers.....	72	298	1 52	452 96	10
Laborers (boys).....	13	299	88	263 12	10
Lamp makers.....	17	284	2 00	568 00	9.4
Machine hands.....	167	299	1 95	583 05	10
Machinists.....	2	295	2 30	678 50	10
Packers.....	2	300	2 00	600 00	10
Painters.....	4	288	2 00	576 00	10
Platers.....	3	286	2 50	715 00	9.7
Pole makers.....	9	283	2 75	778 25	10
Polishers.....	2	299	2 00	598 00	10
Porter.....	1	275	1 50	412 50	10
Press hands.....	4	300	1 50	450 00	9
Rattan workers.....	2	300	2 00	600 00	10
Shaft bolters.....	5	300	2 00	600 00	10
Shaft makers.....	4	275	2 50	687 50	10
Shearmen.....	4	295	1 70	501 50	10
Spinner.....	1	260	2 00	520 00	10
Trimmers.....	7	300	1 96	588 00	9.7
Trimmers' helpers.....	4	300	75	225 00	9
Turner.....	1	275	2 25	618 75	10
Wood workers.....	119	300	2 36	708 00	10

CIGARS—56 ESTABLISHMENTS.

Bunch breakers.....	123	296	1 50	44 00	8.6
Carpenter.....	1	303	2 00	606 00	10
Caser.....	5	302	1 40	422 80	9.8
Cigar makers.....	329	294	1 96	576 24	8.2
Cigar makers (boys).....	19	274	96	263 04	8
Elevator hand.....	1	303	1 50	454 50	10
Engineer.....	1	303	3 00	909 00	10
Fillermen.....	8	300	1 75	525 00	8
Fireman.....	1	303	1 50	454 50	10
Foremen.....	10	303	2 58	781 74	10
Laborers.....	35	302	1 30	392 60	9.7
Machinists.....	2	303	2 50	757 50	10
Packers.....	109	297	2 50	742 50	8.4
Packers (boys).....	1	300	85	255 00	8
Rollers.....	236	300	1 69	507 00	8.3
Shipper.....	1	303	2 00	606 00	10
Stogie makers.....	7	284	2 00	568 00	9.3
Strippers.....	85	294	68	199 92	8.4
Watchman.....	1	303	2 00	606 00	10

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

CLOTHING—178 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentice.....	1	306	\$0 58	\$177 48	10
Busbhelmen.....	30	300	2 23	669 00	9.3
Cleaners.....	2	300	2 25	675 00	10
Coat makers.....	316	302	2 66	803 32	9.2
Cutters.....	639	298	2 96	882 08	8.9
Cutters' helpers.....	3	227	1 67	379 09	9
Designer.....	1	312	9 00	2,808 00	9
Drivers.....	2	303	1 25	378 75	9.5
Elevator hands.....	5	305	98	298 90	9.2
Engineers.....	4	308	2 50	770 00	9.9
Errand boys.....	14	303	61	184 83	9.2
Examiners.....	15	304	2 19	665 76	8.9
Fitters.....	17	305	1 13	344 65	9.3
Foremen.....	14	302	4 04	1,220 08	9
Helpers.....	51	289	92	265 88	9
Laborers.....	20	299	1 65	493 35	9
Machine operators.....	207	302	2 41	727 82	9.3
Packers.....	12	305	1 94	591 70	9.2
Packers (boys).....	2	278	80	222 40	8
Pant makers.....	143	298	2 27	676 46	9.1
Porters.....	20	308	1 83	563 64	9.1
Pressers.....	116	299	1 95	583 05	9.2
Pressers (boys).....	5	306	1 00	306 00	10
Receivers.....	3	307	2 75	842 25	9.5
Shipping clerks.....	2	291	1 63	474 33	9
Spinner.....	1	308	2 00	616 00	9
Sponger.....	1	308	83	255 64	8.5
Stock keepers.....	90	304	2 07	629 28	8.9
Tailors.....	1,073	295	2 58	761 10	9.1
Trimmers.....	85	296	2 27	671 92	9
Trimmers' helpers.....	2	275	75	206 25	9
Vest makers.....	72	295	2 20	649 00	8.7
Watchman.....	1	305	1 28	390 40	12
Weaver.....	1	308	2 00	616 00	9

COFFEE, BAKING POWDER AND SPICES—8 ESTABLISHMENTS.

Baking powder makers.....	2	306	2 25	688 50	9
Drivers.....	6	310	1 56	483 60	9.2
Engineers.....	2	308	2 75	847 00	9.5
Foremen.....	3	308	2 72	837 76	9.3
Laborers.....	16	307	1 44	442 08	9.7
Packers.....	15	309	1 36	420 24	9.8
Porters.....	7	309	1 51	466 59	9
Printers.....	4	308	1 25	385 00	9
Roasters.....	10	309	1 98	611 82	9.2
Spice grinder.....	1	310	2 00	620 00	9

COFFINS AND BURIAL CASES—4 ESTABLISHMENTS.

Blacksmiths.....	9	317	2 55	808 35	9.5
Box makers.....	3	317	1 55	491 35	9.5
Buffers.....	21	317	2 00	634 00	9.5
Cabinet makers.....	2	260	1 50	390 00	8
Carpenters.....	2	309	2 65	818 85	9.8
Carvers.....	5	317	2 12	672 04	9.5
Cloth workers.....	29	300	1 75	525 00	9
Coffin makers.....	4	300	1 75	525 00	9
Elevator hands.....	3	317	1 10	348 70	9.5
Engineers.....	7	302	2 11	637 22	9.9
Fireman.....	1	317	1 75	554 75	9.5
Grinders and polishers.....	3	317	2 15	681 55	9.5
Helpers.....	14	317	80	253 60	9.5
Janitor.....	1	317	1 50	475 50	9.5
Laborers.....	22	306	1 60	489 60	9.8
Machine hands.....	3	317	2 10	665 70	9.5

TABLE IV_c—MANUFACTURES—CINCINNATI—Continued.

COFFINS AND BURIAL CASES—4 ESTABLISHMENTS—Concluded.

Occupation — Male:	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Machinists.....	8	304	\$1 78	\$541 12	9.9
Metal workers.....	221	302	1 44	434 88	9.1
Mold and die makers.....	6	306	2 90	887 40	9.7
Molders.....	5	317	2 40	760 80	9.5
Mounters.....	12	317	1 50	475 50	9.5
Packers.....	2	317	1 83	580 11	9.5
Painters.....	37	309	1 95	602 55	8.5
Pipe fitter.....	1	317	2 25	713 25	9.5
Platers.....	12	317	1 80	570 60	9.5
Teamsters.....	2	317	2 25	713 25	9.3
Tinners.....	2	317	2 10	665 70	9.5
Trimmers.....	3	317	2 30	729 10	9.5
Varnishers.....	2	260	1 00	260 00	8
Watchmen.....	5	310	1 66	514 60	9.7
Wood workers.....	91	302	1 84	555 68	8.2

CONFECTIONERY—13 ESTABLISHMENTS

Bakers.....	3	333	1 50	498 50	10
Candy makers.....	80	299	2 04	609 96	9.8
Candy makers' helpers.....	9	280	1 25	350 00	9
Caster.....	1	300	3 00	900 00	10
Dippers.....	3	300	1 25	375 00	10
Drivers.....	7	318	1 27	403 86	9.7
Engineers.....	4	289	2 50	722 50	9.7
Foremen.....	3	300	2 83	849 00	10
Helpers.....	81	306	1 25	362 50	10
Helpers (boys).....	54	307	1 86	264 02	10
Ice cream makers.....	6	328	1 96	642 88	9.8
Laborers.....	4	245	1 50	367 50	10
Machine hands.....	7	300	1 25	375 00	10
Porters.....	4	317	1 22	386 74	9.8
Rollers.....	9	306	1 25	382 50	10
Spinners.....	9	306	2 25	688 50	10
Watchman.....	1	300	1 50	450 00	12

COOPERAGE—10 ESTABLISHMENTS.

Blacksmith.....	1	306	2 25	688 50	10
Carpenter.....	1	306	2 25	688 50	10
Coopers.....	287	300	2 11	633 00	8.7
Engineers.....	7	306	2 87	878 22	8.3
Helpers.....	50	306	2 25	688 50	9
Laborers.....	138	302	1 36	410 72	8.4
Machine hands.....	168	300	1 97	591 00	8.7
Machinists.....	11	306	2 25	688 50	8
Teamsters.....	11	295	1 72	507 40	8.7
Watchman.....	1	306	2 25	688 50	10

COPPER AND BRASS GOODS—21 ESTABLISHMENTS.

Apprentices.....	16	301	1 01	304 01	9.2
Bell fitter.....	1	303	2 00	606 00	10
Blacksmith.....	1	313	2 65	829 45	9
Buffers.....	45	299	1 63	487 37	10
Carpenters.....	3	306	1 72	526 32	9.7
Casting cleaners.....	2	303	1 50	454 50	9.6
Copper smiths.....	48	306	2 95	902 70	8.7
Coppersmiths' helpers.....	15	297	1 50	445 50	9.7
Core makers.....	39	297	1 38	409 86	9.9
Designer.....	5	293	1 54	451 22	9.6
Drivers.....	5	299	1 67	499 33	10
Engineers.....	2	295	2 58	761 10	9.5
Engravers.....	2	290	2 82	817 80	9
Errand boys.....	2	293	50	146 50	10
Erector.....	1	302	2 50	755 00	10
Erectors assistant.....	1	302	1 83	552 66	10

TABLE IV_c—MANUFACTURES—CINCINNATI—Continued.

COPPER AND BRASS GOODS—21 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Etcher.....	1	300	\$2 50	\$750 00	10
Finishers.....	334	298	1 82	542 36	9.8
Fireman.....	1	300	1 83	549 00	10
Foreman.....	1	313	2 85	791 05	9
Furnace hands.....	2	298	2 03	604 94	10
Grinders.....	6	283	1 81	512 23	9.2
Helpers.....	50	309	1 48	457 32	9.2
Jewelers.....	4	300	1 50	450 00	10
Laborers.....	60	297	1 44	427 68	9.9
Laborers (boys).....	13	286	1 83	265 98	9.3
Lathe hands.....	21	296	1 83	541 68	10
Machinists.....	19	298	2 05	610 90	9.9
Metal stampers.....	4	300	2 50	750 00	10
Monitor hands.....	15	297	2 00	594 00	10
Molders.....	81	297	2 29	680 13	9.8
Mounters.....	14	280	1 82	509 60	9
Packers.....	15	297	1 61	478 17	8.5
Pattern makers.....	23	298	2 20	655 60	9.9
Platers.....	24	299	2 04	609 96	10
Polishers.....	13	299	2 08	621 92	10
Sheet iron workers.....	5	313	2 30	719 90	9
Silversmiths.....	4	280	2 38	666 40	9
Shipping clerks.....	2	305	1 75	533 75	9.5
Stock keeper.....	1	280	2 00	560 00	9
Tinners.....	8	317	2 25	713 25	9.5
Turners.....	7	280	2 14	599 20	9
Tool makers.....	30	296	2 15	636 40	10
Vise hands.....	59	301	1 95	586 95	9.6
Watchmen.....	3	300	1 61	483 00	9.7

COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—6 ESTABLISHMENTS.

Brush hand.....	1	300	1 25	375 00	10
Carders.....	41	251	1 42	356 42	10
Carpenter.....	1	300	2 50	750 00	10
Dyers.....	11	301	1 61	484 61	9.9
Dyers' helpers.....	12	300	1 25	375 00	10
Engineers.....	4	286	2 75	786 50	10
Fireman.....	1	235	2 00	470 00	10
Foremen.....	8	293	3 69	1,081 17	9.9
Knitters.....	7	300	2 04	612 00	10
Laborers.....	3	307	1 73	531 11	8.3
Machinist.....	1	300	3 00	900 00	10
Packer.....	1	300	1 67	501 00	10
Pickers.....	6	300	1 50	450 00	10
Porters.....	2	300	1 50	450 00	10
Spinner.....	1	300	3 33	999 00	10
Spinners' helpers.....	2	300	1 00	300 00	10
Teamsters.....	2	268	1 75	469 00	10
Warper.....	1	300	2 50	750 00	10
Watchmen.....	2	300	1 88	564 00	11

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—17 ESTABLISHMENTS.

Apprentices.....	2	300	1 00	300 00	10
Bottlers.....	2	309	1 42	438 78	10
Box maker.....	1	309	2 00	618 00	10
Chemists.....	12	301	2 36	710 36	11.2
Compounds.....	22	300	1 75	525 00	10
Drivers.....	6	308	2 00	616 00	10
Engineers.....	11	287	2 86	820 82	11.5
Filler.....	1	219	1 50	328 50	12
Finishers.....	4	280	2 29	641 20	10.5
Firemen.....	11	294	1 95	573 30	12
Foremen.....	4	300	2 18	654 00	12
Helper.....	1	219	1 50	328 50	12
Hostlers.....	3	309	1 67	516 03	10

TABLE IV_c—MANUFACTURES—CINCINNATI—Continued.
 DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—17 ESTABLISHMENTS.
 Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Janitor.....	1	308	\$1 50	\$462 00	10
Labelers.....	2	313	1 00	313 00	10
Laboratory hands.....	3	312	1 83	570 96	8.7
Laborers.....	53	302	1 64	495 28	10
Laborers (boys).....	17	300	85	255 00	10
Packers.....	4	302	1 48	446 96	9.2
Plumbers.....	3	308	3 50	1,078 00	8
Porters.....	1	219	1 50	328 50	12
Printers.....	5	308	84	259 56	10
Refiner.....	1	300	2 50	750 00	8
Smelters.....	1	300	2 50	750 00	8
Stillmen.....	9	248	1 96	486 08	11.3
Stock hand.....	1	308	2 30	708 40	8.5
Teamster.....	1	306	2 00	612 00	10

ELECTRICAL GOODS AND SUPPLIES—12 ESTABLISHMENTS.

Apprentices.....	9	308	88	271 04	9.1
Assemblers.....	79	307	1 98	607 86	9.8
Bell boys.....	9	307	50	153 50	9.8
Blacksmiths.....	5	307	2 10	644 70	9.7
Boxers.....	6	307	1 88	577 16	9.8
Carpenters.....	2	300	2 87	861 00	10
Clerks.....	15	307	1 95	598 65	9.8
Commutator makers.....	61	307	1 68	515 76	9.8
Crane operators.....	12	307	1 90	583 30	9.8
Draughtsman.....	20	307	4 00	1,228 00	8
Electrical workers.....	54	308	2 00	616 00	9.3
Electricians.....	11	302	2 82	851 64	9
Engineer.....	1	308	2 50	770 00	10
Finishers.....	3	300	1 58	474 00	10
Foremen.....	5	305	2 35	716 75	9.4
Foundry hands.....	11	307	2 25	690 75	9.8
Hostlers.....	2	307	1 65	506 55	9.8
Laborers.....	84	306	1 55	474 30	9.5
Laborers (boys).....	22	301	78	234 78	9.5
Machinists.....	206	309	2 12	655 08	9.6
Molders.....	2	300	2 50	750 00	10
Novelty workers.....	7	295	1 25	368 75	10
Painters.....	13	307	2 19	672 33	9.7
Painters' helper.....	1	309	1 66	512 94	9.2
Pattern makers.....	30	307	3 06	939 42	9.7
Plumbers.....	3	307	1 65	506 55	9.8
Porters.....	8	307	1 50	460 50	9.8
Punch hands.....	38	307	1 50	460 50	9.8
Steam plant hands.....	7	307	2 05	629 35	12
Stock room hands.....	25	807	1 74	534 18	9.8
Testers.....	26	307	2 60	798 20	9.8
Tool hands.....	28	307	2 53	776 71	9.8
Watchmen.....	4	305	1 50	457 50	12
Winders.....	91	307	1 75	537 25	9.8
Wiremen.....	6	309	3 00	927 00	8
Wiremen's helpers.....	4	309	1 50	463 50	8

ELEVATORS AND HOISTING MACHINERY —5 ESTABLISHMENTS.

Blacksmiths.....	4	304	2 63	799 52	9.5
Carpenters.....	39	302	2 58	779 16	9.1
Driver.....	1	308	1 75	539 00	9
Electrical workers.....	9	308	2 75	847 00	9
Engineers.....	1	308	2 50	770 00	9
Erectors.....	5	300	3 00	900 00	10
Helpers.....	14	297	1 75	519 75	9.2
Laborer.....	21	302	1 50	453 00	9.2
Machinists.....	64	303	2 65	802 95	9.3

TABLE IV_c—MANUFACTURES—CINCINNATI—Continued.
ELEVATORS AND HOISTING MACHINERY—5 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Machinists' helpers.....	5	300	\$1 50	\$450 00	10
Millwrights.....	2	308	3 15	970 20	9
Painters.....	2	308	2 75	847 00	9
Pattern maker.....	1	308	2 50	770 00	9
Polishers.....	2	308	2 25	693 00	9
EXTRACTS, TOILET ARTICLES AND PERFUMERY—5 ESTABLISHMENTS.					
Chemist.....	1	300	2 50	750 00	10
Engineer.....	1	308	3.33	1,025 64	9
Errand boys.....	2	304	75	228 00	8.5
Laborers.....	9	291	1 72	500 52	9
Packer.....	1	308	2 50	770 00	9
Porters.....	2	304	1 33	404 32	9.3
Shipping clerk.....	1	300	1 50	450 00	9.5
FERTILIZERS—2 ESTABLISHMENTS.					
Acid makers.....	4	365	1 80	657 00	12
Chemist.....	1	350	1 34	469 00	10
Engineer.....	1	350	3 33	1,165 50	10
Foremen.....	8	358	2 43	870 94	10.8
Laborers.....	80	359	1 56	560 04	10.1
Machinists.....	4	350	1 73	605 50	10
FLOURING MILL PRODUCTS—2 ESTABLISHMENTS.					
Engineers.....	2	284	3 00	852 00	11
Firemen.....	2	284	1 58	448 72	11
Foreman.....	1	275	2 60	715 00	12
Laborers.....	8	292	1 50	438 00	10
Millers.....	3	286	2 73	780 78	10.7
Teamsters.....	2	292	1 88	548 96	10
Warehouse men.....	8	275	1 75	481 25	12
Watchman.....	1	292	1 75	511 00	10
FOUNDRY AND MACHINE SHOP PRODUCTS—28 ESTABLISHMENTS.					
Apprentices.....	123	294	1 00	294 00	9.7
Blacksmiths.....	14	300	2 45	735 00	9.7
Blacksmiths' helpers.....	4	300	1 67	501 00	10
Carpenters.....	19	288	2 44	702 72	10
Casting cleaners.....	13	285	1 58	450 30	9.7
Clippers.....	24	280	1 77	495 60	9.9
Core makers.....	90	283	2 43	687 69	10
Core makers' helpers.....	2	286	1 50	429 00	10
Crane hands.....	2	300	2 00	600 00	10
Cupola tenders.....	21	285	2 19	624 15	9.8
Drillers.....	5	302	1 77	534 54	10
Drivers.....	3	295	1 95	575 25	10
Electrician.....	1	300	2 50	750 00	10
Engineers.....	13	289	2 37	684 93	10
Finishers.....	30	275	1 93	530 75	10
Firemen.....	2	300	1 75	525 00	10
Foremen.....	2	293	4 50	1,318 50	10
Grinders.....	2	303	1 66	502 98	10
Helpers.....	63	275	1 93	530 75	10
Japanner.....	1	303	2 00	606 00	10
Laborers.....	471	295	1 49	439 55	9.9
Laborers (boys).....	11	301	73	219 73	10
Lathe hands.....	2	300	1 67	501 00	10
Machine hands.....	100	300	2 00	600 00	10
Machinists.....	153	301	2 50	752 50	9.2
Millwrights.....	5	306	2 40	734 40	9.2
Molders.....	546	286	3 09	883 74	9.9
Molders' helpers.....	76	294	1 51	443 94	9.8

TABLE IV_c—MANUFACTURES—CINCINNATI—Continued.

FOUNDRY AND MACHINE SHOP PRODUCTS—28 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1902.	Average daily wages.	Average yearly earnings, 1902.	Average hours of daily labor.
Packers.....	7	303	\$1 00	\$303 00	10
Painters.....	3	280	2 10	588 00	9
Pattern Carriers.....	3	295	1 67	492 65	10
Pattern makers.....	13	300	2 72	816 00	9.5
Scale makers.....	7	307	2 38	730 66	10
Screw machine hands.....	32	305	1 10	335 50	10
Shipping clerks.....	2	303	3 00	909 00	10
Shop hands.....	20	308	2 02	622 16	9
Teamster.....	1	290	1 75	507 50	10
Time keepers.....	2	300	2 50	750 00	10
Watchmen.....	9	297	1 68	498 96	10.3
Wood workers.....	4	315	1 75	551 25	10

FURNITURE—47 ESTABLISHMENTS.

Assemblers.....	3	272	1 75	476 00	10
Bench hands.....	13	290	2 50	725 00	10
Bill makers.....	3	300	3 00	900 00	10
Butfers.....	6	272	1 75	476 00	10
Cabinet makers.....	430	308	2 17	668 36	9.8
Car men.....	9	300	1 75	525 00	10
Carvers.....	54	301	2 33	701 32	9.8
Chair makers.....	45	296	1 76	520 96	9.9
Cloak makers.....	3	308	2 50	770 00	10
Elevator hand.....	1	300	1 50	450 00	10
Engineers.....	21	298	2 31	688 38	9.9
Fillers.....	5	300	1 25	375 00	10
Finishers.....	160	297	1 59	472 23	9.9
Firemen.....	3	320	1 64	524 80	10
Foremen.....	11	300	3 32	996 00	10
Gluers.....	4	300	1 50	450 00	10
Helpers.....	7	300	1 15	345 00	10
Iron bed makers.....	14	272	1 75	476 00	10
Laborers.....	110	301	1 40	421 40	10
Laborers (boys).....	39	292	.69	301 48	9.7
Lacquerers.....	3	272	1 75	476 00	10
Lumber hands.....	3	300	1 83	549 00	10
Machine hands.....	446	312	1 88	586 56	9.9
Machine hands (boys).....	1	300	.60	180 00	10
Machinists.....	6	272	2 00	544 00	10
Mattress makers.....	5	300	1 80	543 00	10
Mill hands.....	83	304	2 08	632 32	10
Molder.....	1	272	2 00	544 00	10
Packers.....	302	302	1 47	443 94	9.9
Plater.....	1	273	2 50	682 50	9
Polishers.....	17	314	2 12	665 68	9.5
Porter.....	1	300	1 40	420 00	10
Reed workers.....	70	300	2 00	600 00	10
Rubbers.....	4	300	1 25	375 00	10
Shipping clerks.....	2	306	2 00	612 00	9
Teamsters.....	18	302	1 79	540 58	9.9
Up-fitters.....	13	302	2 08	628 16	10
Upholsterers.....	137	296	2 09	618 64	10
Upholsterer (boy).....	1	300	1 25	375 00	10
Varnishers.....	254	309	1 65	509 85	10
Veneers.....	2	308	2 00	616 00	10
Watchmen.....	2	334	1 58	527 72	11
Wood turner.....	1	273	2 50	682 50	9
Wood workers.....	20	259	1 82	471 38	9.6

GLASS AND GLASSWARE—6 ESTABLISHMENTS.

Art glass workers.....	10	300	2 00	600 00	9
Bevelers.....	7	280	2 25	630 00	10
Blowers.....	100	300	8 00	2,400 00	9
Blowers' helpers.....	150	300	.75	225 00	9
Carpenters.....	3	300	2 00	600 00	9

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

GLASS AND GLASSWARE—6 ESTABLISHMENTS.—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Cementers.....	3	300	\$2 00	\$600 00	9
Cutters.....	7	297	2 89	856 33	9.1
Engineers.....	3	293	2 08	609 44	11.3
Firemen.....	2	300	1 75	525 00	12
Foremen.....	4	300	5 00	1,500 00	10
Glaziers.....	8	300	2 55	765 00	9
Helpers.....	8	288	1 29	371 52	9.6
Laborers.....	290	287	1 72	493 64	9.7
Laborers (boys).....	7	283	76	215 08	10
Lacquerer.....	1	302	2 00	604 00	10
Lacquerer's helpers.....	5	302	70	211 40	10
Machinists.....	6	300	2 80	840 00	10
Packers.....	2	240	2 50	600 00	9
Packers (boys).....	12	302	60	181 20	10
Polishers.....	15	280	2 00	560 00	10
Press hands.....	15	234	3 00	702 00	8.6
Silverer.....	1	280	2 67	747 60	10
Smoothers.....	6	280	2 00	560 00	10
Watchmen.....	2	300	1 75	525 00	12

HARDWARE—4 ESTABLISHMENTS.

Apprentices.....	4	300	1 00	300 00	9
Assemblers.....	3	260	1 70	442 00	10
Blacksmiths.....	3	295	2 25	663 75	9.7
Blacksmiths' helpers.....	2	293	1 50	439 50	10
Buffers.....	2	305	1 38	420 90	10
Carpenter.....	1	293	1 75	512 75	10
Core makers.....	2	300	2 00	600 00	9
Die sinkers.....	3	293	2 25	659 25	10
Engineers.....	3	284	2 58	742 22	9.7
Finishers.....	6	300	2 75	825 00	9
Hammermen.....	19	293	2 00	586 00	10
Helpers.....	2	305	75	228 75	10
Laborers.....	78	287	1 41	404 67	9.9
Laborers (boys).....	20	293	85	249 05	10
Locksmiths.....	26	300	2 50	750 00	9
Machinists.....	17	274	1 85	506 90	10
Molders.....	4	300	2 50	750 00	9
Platers.....	3	260	2 00	520 00	10
Polishers.....	4	300	2 50	750 00	9
Teamsters.....	2	293	1 75	512 75	10
Tinners.....	7	260	2 00	520 00	10
Vise hands.....	2	305	1 00	305 00	10
Watchman.....	2	277	1 73	479 21	11
Wood workers.....	14	260	2 00	520 00	10

HARNESS AND SADDLERY—11 ESTABLISHMENTS.

Apprentices.....	2	304	75	228 00	10
Collar makers.....	58	302	1 97	594 94	10
Cutters.....	5	270	1 45	391 50	10
Finishers.....	3	270	2 00	540 00	10
Foreman.....	1	308	3 66	1,127 28	10
Harness makers.....	236	303	1 96	593 88	10
Harness makers' helper.....	1	300	50	150 00	10
Laborers (boys).....	1	300	66	198 00	10
Machine hands.....	17	292	2 04	595 68	10
Packers.....	4	308	2 00	616 00	10
Platers.....	2	300	1 50	450 00	9
Porters.....	5	307	1 50	460 50	10
Saddle makers.....	43	302	2 12	640 24	10
Saddle tree makers.....	3	300	1 50	450 00	9
Sawyer.....	1	300	1 50	450 00	9
Sewers.....	3	270	2 00	540 00	10
Stuffers.....	8	270	1 00	270 00	10

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

HATS, CAPS AND FURNISHINGS—13 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Blockers.....	14	322	\$1 91	\$615 02	9
Cap makers.....	27	346	2 00	692 00	9
Cutters.....	21	304	2 37	720 48	8.7
Errand boys.....	3	270	58	156 60	9.3
Finishers.....	1	290	1 33	385 70	9
Foreman.....	1	312	2 00	624 00	10
Garter maker.....	1	285	50	142 50	9.5
Laborers.....	2	300	1 85	555 00	9
Machine hands.....	13	297	2 03	602 91	9.2
Machine hands (boys).....	3	300	1 00	300 00	9
Packers.....	5	342	1 13	386 46	9
Porters.....	2	256	1 17	299 52	8.5
Stock keepers.....	3	283	2 20	622 60	10
Suspender workers.....	2	240	2 15	516 00	10
Trimmer.....	1	312	1 65	514 80	9

ICE (ARTIFICIAL)—6 ESTABLISHMENTS.

Engineers.....	11	280	3 01	842 80	12
Firemen.....	15	301	1 85	550 85	12
Helpers.....	5	365	1 82	664 30	12
Ice pullers.....	5	263	1 63	428 69	12
Laborers.....	7	261	1 79	467 19	12
Oiler.....	1	330	1 71	564 30	12
Tankmen.....	16	354	1 75	619 50	12
Watchmen.....	2	285	1 47	418 95	11

INKS—3 ESTABLISHMENTS.

Chemists.....	2	310	11 25	3,487 50	10
Coopers.....	10	310	1 90	589 00	10
Driver.....	1	310	2 50	775 00	10
Engineers.....	3	309	3 42	1,056 78	10
Firemen.....	2	310	2 00	620 00	10
Foremen.....	2	310	7 30	2,263 00	10
Ink grinders.....	84	310	2 34	725 40	10
Laborers, (boys).....	1	308	75	231 00	10
Mill hands.....	10	308	1 50	462 00	10
Oil boilers.....	3	310	4 50	1,395 00	10
Shipping clerks.....	2	310	2 00	620 00	10
Varnish makers.....	5	310	2 20	682 00	10
Watchman.....	1	310	2 00	620 00	10

IRON (STRUCTURAL AND ARCHITECTURAL)—8 ESTABLISHMENTS

Blacksmiths.....	18	299	3 08	920 92	9
Blacksmiths' helper.....	1	300	2 00	600 00	9
Draftsmen.....	5	305	3 33	1,015 65	9
Engineers.....	4	305	3 66	1,116 30	9.5
Erectors.....	81	300	2 46	738 00	9.7
Finishers.....	60	299	2 75	822 25	9.1
Finishers' helpers.....	1	300	1 75	525 00	9
Fireman.....	1	310	2 00	620 00	9
Foremen.....	13	305	4 27	1,302 35	9.5
Helpers.....	70	299	1 71	511 29	9.1
Iron workers.....	147	315	2 45	771 75	9
Laborers.....	222	304	1 71	519 84	9.1
Machine hands.....	30	300	2 10	630 00	10
Machinists.....	52	301	2 43	731 43	9.5
Machinists' helpers.....	3	310	2 00	620 00	10
Painters.....	3	298	2 00	596 00	9
Setters.....	6	304	2 70	820 18	9
Shipping clerk.....	1	298	1 65	491 70	9
Tool hand.....	1	298	2 25	670 50	9
Watchmen.....	2	310	2 00	620 00	9

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

JEWELRY AND WATCHES—14 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentice.....	1	313	\$1 00	\$313 00	9
Die cutter.....	1	350	3 33	1,165 50	9
Enameler.....	1	303	2 50	757 50	9
Engravers.....	23	309	2 69	831 21	9.8
Finishers.....	3	306	2 50	765 00	10
Helpers.....	3	300	50	150 00	10
Jewelers.....	80	305	2 46	750 30	9.8
Jobbers.....	3	300	00	600 00	10
Jointers.....	4	300	50	765 00	10
Medal maker.....	1	300	00	900 00	10
Melters.....	2	303	25	681 75	10
Polishers.....	10	311	1 90	590 90	9.6
Repairers.....	4	305	2 50	762 50	9.8
Ring makers.....	6	303	2 61	790 83	9.5
Rollers.....	2	306	1 50	459 00	10
Setters.....	8	316	3 00	948 00	9.6
Springers.....	3	306	2 33	712 98	10
Turners.....	4	306	2 84	869 04	10
Watchcase makers.....	2	300	2 25	675 00	10

LEATHER AND LEATHER GOODS—13 ESTABLISHMENTS.

Bark grinders.....	30	302	1 20	362 40	7
Beam hands.....	133	400	1 86	568 00	9.3
Belt makers.....	18	307	1 80	552 60	10
Blacksmiths.....	2	302	2 80	845 60	10
Boiler.....	1	306	2 87	817 02	10
Buffers.....	2	306	2 50	765 00	10
Carpenters.....	6	302	2 80	845 60	10
Carriers.....	176	298	1 89	563 22	9.2
Cutters.....	17	305	2 06	628 30	10
Door boys.....	3	302	1 12	338 24	10
Dryers.....	4	300	2 00	600 00	10
Engineers.....	22	301	2 34	470 34	11.3
Finishers.....	22	304	1 23	373 92	10
Grainers.....	32	302	2 30	694 60	9.1
Hidehouse hands.....	10	302	1 70	513 40	9
Japanners.....	179	302	1 80	543 60	8.1
Laborers.....	70	300	1 52	456 00	10
Laborers (boys).....	2	306	96	293 76	10
Loft hands.....	45	302	1 70	513 40	9
Molders.....	12	305	1 33	405 65	10
Painters.....	5	306	1 65	504 90	10
Patcher.....	1	306	2 25	688 50	10
Pipe fitters.....	5	302	1 95	588 90	10
Pullers.....	26	300	2 00	600 00	9
Rollers.....	19	302	1 95	588 90	9
Scourer.....	1	300	1 50	450 00	10
Scrapers.....	8	308	1 55	477 40	10
Shipping clerks.....	30	302	1 50	453 00	9
Softeners.....	2	306	2 00	612 00	10
Splitters.....	45	302	2 79	842 58	9.1
Stoners.....	2	306	1 50	459 00	10
Strap makers.....	2	308	1 25	385 00	10
Stuffers.....	7	302	1 88	567 76	10
Tackers.....	15	302	1 25	377 50	9
Tackers (boys).....	40	302	83	250 66	9
Tanners.....	24	310	1 75	542 50	10
Teamsters.....	10	302	1 86	561 72	10
Watchman.....	1	312	1 50	468 00	12
Wheelstuffers.....	2	306	2 00	612 00	10
Whiteners.....	2	300	2 12	636 00	10
Yard hands.....	94	296	1 65	488 40	9.3

TABLE IV_c—MANUFACTURES—CINCINNATI—Continued.

LIQUORS (DISTILLED)—15 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bottlers.....	31	303	\$1 36	\$412 08	9
Canners.....	3	300	1 75	525 00	9
Carpenters.....	2	314	2 50	785 00	9.5
Cleaners.....	1	300	1 50	450 00	9
Compounders.....	14	303	2 21	669 63	8.9
Coopers.....	54	303	2 23	675 69	9.4
Decorators.....	1	327	1 75	572 25	10
Distiller.....	1	36	3 33	119 88	10
Engineers.....	14	290	2 87	832 30	9.8
Firemen.....	6	308	2 17	668 36	9.7
Foremen.....	5	250	3 66	915 00	9.6
Gauger.....	1	313	2 67	835 71	10
Laborers.....	265	290	2 14	620 60	10
Machinists.....	13	305	2 61	796 05	10
Millers.....	3	220	2 11	464 20	10
Porters.....	26	303	1 90	575 70	9.5
Shipping clerks.....	6	301	2 00	602 00	8.8
Steam fitter.....	1	300	3 00	900 00	9
Teamsters.....	2	313	1 58	494 54	10
Warehouse hands.....	10	312	1 80	561 60	10.5
Watchmen.....	4	250	1 92	480 00	10.5
Yeast maker.....	1	312	3 00	936 00	10

LIQUORS (MALT)—21 ESTABLISHMENTS.

Apprentice.....	1	313	1 66	519 58	8.3
Bar keepers.....	3	329	1 50	493 50	9.3
Bottlers.....	92	326	1 56	508 56	9.7
Bottlers (boys).....	11	305	78	237 90	9.7
Brewers.....	492	314	2 53	794 42	9
Carpenters.....	33	317	2 50	792 50	8.7
Cellar hands.....	31	335	2 61	874 35	8.5
Collectors.....	3	308	5 69	1,752 52	9.7
Collectors' helper.....	1	308	2 00	616 00	9
Coopers.....	11	314	2 46	772 44	8.8
Drivers.....	331	315	2 21	696 15	9.7
Engineers.....	107	319	2 75	877 25	8
Finishers.....	4	313	2 34	732 42	8.2
Firemen.....	75	320	2 02	646 40	9.3
Foremen.....	6	311	2 69	836 59	8.7
Greasers.....	3	324	2 00	648 00	9.6
Hostlers.....	57	325	2 12	689 00	10.4
Ice pullers.....	23	363	1 74	631 62	8.5
Kettle hands.....	15	318	2 58	820 44	10
Labelers (boys).....	8	311	50	155 50	9
Laborers.....	20	309	1 53	472 77	8.2
Machinists.....	11	350	2 20	770 00	8.3
Millwright.....	1	313	2 75	860 75	9
Pipe fitters.....	4	308	2 06	634 48	9
Solicitor.....	1	308	5 80	1,786 40	9
Stamp clerks.....	2	313	2 10	657 30	8.9
Washhouse hands.....	32	332	2 36	783 52	9.7
Watchmen.....	3	310	2 33	722 30	

LITHOGRAPHING, ENGRAVING AND ELECTROTYPING—20 ESTABLISHMENTS.

Apprentices.....	6	307	1 13	346 91	8.5
Artists.....	107	305	5 40	1,647 00	8.1
Backer.....	1	300	2 00	600 00	9
Binders.....	13	306	1 12	342 72	8.8
Blocker.....	1	300	2 00	600 00	9
Bronzer.....	1	350	1 00	350 00	9
Builders.....	3	304	2 50	760 00	9
Casters.....	2	306	2 00	612 00	9
Compositors.....	11	307	2 81	862 67	9.1
Cutters.....	9	308	2 61	803 88	

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

LITHOGRAPHIC, ENGRAVING AND ELECTROTYPING—20 ESTABLISHMENTS—
Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Cutters' helper.....	1	350	\$1 00	\$350 00	10
Draughtsmen.....	2	306	2 50	765 00	8
Elevator hand.....	1	312	1 33	414 96	9.3
Embossers.....	1	350	1 50	525 00	10
Engineers.....	22	303	3 37	1,021 11	8.6
Engravers.....	51	306	2 57	786 42	8.6
Errand boys.....	13	309	62	191 58	9.2
Etchers.....	7	306	4 48	1,370 88	8.6
Feeders.....	41	308	1 35	415 80	8.9
Finishers.....	25	307	2 80	859 60	8.9
Finishers' helpers.....	6	306	1 60	489 60	9
Fireman.....	1	312	1 25	390 00	9.3
Foremen.....	2	306	4 17	1,276 02	9
Grainers.....	13	304	2 65	805 60	9
Halftone operators.....	4	308	5 00	1,540 00	8
Helpers.....	5	304	1 60	486 40	9
Ink grinders.....	4	305	2 38	725 90	8.9
Jobbers.....	7	304	2 05	628 20	9
Laborers.....	10	312	1 98	617 76	9.2
Laborers (boys).....	40	304	78	237 12	9.3
Lithographers.....	19	336	4 02	1,350 72	8
Molders.....	13	332	1 92	637 44	9
Molders' helpers.....	3	306	94	287 64	9
Pasters.....	8	306	1 90	581 40	8.8
Photographers.....	8	306	2 22	679 32	8.4
Pointers.....	17	306	3 50	1,071 00	8.8
Porter.....	1	312	1 50	468 00	9.3
Pressmen.....	152	307	2 05	629 35	9
Pressmen's helpers.....	4	339	89	301 71	9
Printers.....	7	302	2 93	884 86	9
Proofers.....	9	316	4 10	1,295 10	8.1
Router.....	2	308	2 50	770 00	8
Shippers.....	36	304	1 40	425 60	9
Stereotypers.....	1	300	3 00	900 00	8
Stone grinders.....	21	308	2 14	659 12	8.9
Stripper.....	1	308	1 50	462 00	8
Transferers.....	47	307	3 21	985 47	9.1
Transferers' assistant.....	1	350	1 00	350 00	9
Watchman.....	1	306	2 60	795 60	13

MACHINERY—57 ESTABLISHMENTS.

Apprentices.....	158	304	83	252 32	9.5
Assemblers.....	3	200	1 75	350 00	9
Bench hands.....	7	150	2 00	300 00	10
Blacksmiths.....	25	305	2 36	719 80	9.6
Boiler makers.....	15	305	2 77	844 85	9.6
Burr dressers.....	3	292	2 00	584 00	10
Cabinet makers.....	9	287	2 22	637 14	10
Carpenters.....	46	303	2 27	687 81	9.7
Coppersmiths.....	2	300	2 43	729 00	9.2
Core makers.....	7	279	2 14	597 06	9.8
Core makers (boys).....	7	305	1 00	305 00	10
Cupola tenders.....	2	300	1 88	564 00	10
Draughtsmen.....	31	302	2 93	884 86	9
Drill hand.....	1	305	2 25	686 25	10
Enamelers.....	2	200	1 75	350 00	9
Engineers.....	13	298	2 41	718 18	9.7
Finishers.....	3	305	1 33	405 65	10
Foremen.....	13	304	3 60	1,094 40	9.2
Furnace hands.....	6	302	2 25	679 50	10
Helpers.....	66	302	1 28	386 56	9.3
Laborers.....	315	301	1 47	442 47	9.7
Laborers (boys).....	12	286	1 91	260 26	9.4
Lathe hands.....	18	235	1 97	462 95	9.8
Machine hands.....	30	265	1 75	463 75	9.7

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

MACHINERY—57 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Machinists.....	1,300	300	\$2 28	\$684 00	9.6
Machinists' apprentices.....	30	295	1 75	221 25	9.9
Machinists' helpers.....	5	300	1 50	450 00	9
Mechanics.....	4	300	2 25	675 00	10
Millwrights.....	9	296	2 61	772 56	9.6
Molders.....	69	291	2 99	870 09	9.9
Packer.....	1	303	1 90	575 70	10
Painters.....	66	302	1 74	525 48	9.5
Pattern makers.....	31	304	2 98	905 92	9.6
Pipe fitters.....	10	306	3 30	1,009 80	8
Pipe fitters' helpers.....	11	306	2 00	612 00	8
Planer hands.....	10	258	1 65	425 70	10
Polishers.....	3	235	2 08	488 80	9.1
Porters.....	3	300	1 50	450 00	9.3
Printers.....	2	300	2 25	375 00	9.2
Sawyers.....	3	300	1 75	525 00	10
Sheet iron workers.....	11	302	2 33	703 66	9.4
Shipping clerks.....	3	282	1 15	324 30	9
Stock keepers.....	2	300	1 38	414 00	9.2
Stone dressers.....	2	300	2 25	675 00	9.2
Teamsters.....	5	301	1 58	475 58	10
Time keeper.....	1	300	1 17	351 00	10
Tinners.....	9	300	2 31	693 00	9.5
Tool boys.....	5	300	60	180 00	9.2
Tool maker.....	1	200	2 50	500 00	9
Varnisher.....	1	270	4 50	1,215 00	10
Vise hands.....	6	305	2 00	610 00	10
Watchmen.....	5	301	1 90	571 90	10.4
Wood workers.....	32	300	1 99	597 00	10

MALT—3 ESTABLISHMENTS.

Engineer.....	1	238	2 00	476 00	10
Helpers.....	5	238	1 50	357 00	10
Malters.....	57	232	1 91	443 12	9.8
Teamsters.....	5	238	2 00	476 00	10

MARBLE AND GRANITE—6 ESTABLISHMENTS.

Blacksmith.....	1	225	3 00	675 00	8
Coopers.....	3	300	2 35	705 00	9
Cutters.....	33	318	3 13	995 34	8.9
Draymen.....	2	350	1 50	525 00	9
Engineers.....	2	303	2 50	757 50	9
Fireman.....	1	300	1 50	450 00	9
Foremen.....	3	300	2 67	801 00	9
Helpers.....	2	300	75	225 00	9
Laborers.....	23	340	1 53	520 20	9
Letterers.....	2	305	3 00	915 00	9
Machine hands.....	8	331	1 91	632 21	9
Machinists.....	3	350	2 50	875 00	9
Mill hands.....	2	300	2 00	600 00	10
Packers.....	4	337	1 94	653 78	9
Polishers.....	67	341	2 01	685 41	9
Rubbers.....	22	273	2 40	655 20	9
Sawyer.....	1	305	2 00	610 00	9
Setters.....	10	325	3 50	1,137 50	9
Setters' helpers.....	5	300	1 50	450 00	9

MATTRESSES AND PILLOWS—6 ESTABLISHMENTS.

Bed makers.....	9	275	1 00	275 00	10
Cot makers.....	5	275	1 00	275 00	10
Driver.....	1	310	2 00	620 00	10
Engineers.....	2	309	3 50	1,081 50	11
Fireman.....	1	309	2 00	618 00	12
Foremen.....	6	309	3 67	1,134 03	9.6

TABLE IV_c—MANUFACTURES—CINCINNATI—Continued.

MATTRESSES AND PILLOWS—6 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Helper.....	1	301	\$1 00	\$301 00	9.5
Laborers.....	23	308	1 57	483 56	10
Machinists.....	4	275	2 50	687 50	11
Mattress makers.....	7	303	2 20	666 60	9.6
Metal workers.....	3	275	1 25	343 75	10
Packers.....	3	275	1 25	343 75	10
Porter.....	1	310	1 50	465 00	10
Spring makers.....	31	275	1 80	220 00	10
Teamsters.....	2	309	2 00	618 00	10

MOLDINGS AND FRAMES—9 ESTABLISHMENTS.

Bronzers.....	27	212	1 52	322 24	10
Carpenters.....	2	285	1 50	427 50	10
Caster.....	1	325	1 00	325 00	10
Cabinet makers.....	29	302	1 98	597 96	10
Drivers.....	2	249	1 84	458 16	10.3
Elevator hand.....	1	196	2 25	441 00	10
Engineers.....	3	259	2 67	691 53	10.3
Errand boy.....	1	306	1 50	153 00	8
Finishers.....	13	288	1 73	498 24	10
Firemen.....	1	279	1 50	418 50	10
Fitters.....	15	232	1 42	329 44	10
Gilders.....	82	269	1 97	529 93	10
Helper (boy).....	1	325	1 70	327 50	10
Joiners.....	20	223	1 65	356 95	10
Laborers.....	37	272	1 22	331 84	10
Laborers (boys).....	17	196	1 53	103 88	10
Lacquerers.....	13	255	1 87	476 85	10
Machine hands.....	31	292	1 91	557 72	10
Ornamenter's.....	27	244	1 52	370 88	10
Ornamenter's helpers.....	15	279	1 75	209 25	10
Packers.....	12	238	1 36	323 68	10
Polishers.....	8	196	1 70	333 20	10
Porter.....	1	285	1 25	356 25	10
Preparers.....	14	218	1 22	265 96	10
Router's.....	5	196	1 67	327 32	10
Sand paperers.....	8	236	1 25	295 00	10
Sawyers.....	8	212	1 80	381 60	10
Varnishers.....	26	301	1 62	487 62	10
Veneers.....	3	279	2 00	558 00	10
Watchmen.....	2	196	1 60	313 60	10
Wood workers.....	40	297	1 69	501 93	10

OIL CLOTH AND WINDOW SHADE CLOTH—2 ESTABLISHMENTS.

Foreman.....	1	250	2 33	582 50	10
Packers.....	3	250	1 66	415 00	10
Painters.....	30	252	1 50	378 00	10

OIL AND GREASE—8 ESTABLISHMENTS.

Blacksmiths.....	2	365	2 00	730 00	10
Carpenter.....	1	300	2 00	600 00	10
Coopers.....	7	303	2 00	606 00	10
Coopers' helpers.....	2	306	1 40	428 40	10
Drivers.....	44	359	1 65	592 35	8.2
Engineers.....	7	331	2 55	844 05	10.3
Fat buyer.....	1	300	3 00	900 00	10
Firemen.....	5	352	1 80	633 60	10
Helpers.....	15	365	1 50	547 50	8
Laborers.....	120	320	1 56	499 20	10
Pressmen.....	9	310	1 65	511 50	10
Tank man.....	1	310	1 75	542 50	10
Teamsters.....	4	306	2 25	688 50	10
Watchmen.....	2	308	1 75	539 00	11.5

TABLE IV_c—MANUFACTURES—CINCINNATI—Continued.

PAINTS AND VARNISHES—14 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Chemists.....	3	312	\$8 00	\$2,496 00	8
Coopers.....	3	310	2 00	620 00	10
Driver.....	1	300	1 50	450 00	9
Engineers.....	8	296	2 15	636 40	10
Foreman.....	1	310	2 25	697 50	10
Helpers.....	2	305	2 00	610 00	9
Laborers.....	48	305	1 83	558 15	8.9
Machinist.....	1	310	3 00	930 00	9
Metal hands.....	17	296	1 60	473 60	10
Mill hands.....	12	300	2 00	600 00	10
Oxide hands.....	13	300	2 00	600 00	10
Paint makers.....	63	294	1 62	476 28	9.8
Porter.....	1	310	1 67	517 70	9
Shipping clerks.....	6	296	1 89	559 44	10
Stillmen.....	2	310	2 25	697 50	12
Varnish makers.....	8	301	2 85	857 85	9.1
Varnish makers' helpers.....	2	300	2 00	600 00	10
Tarred felt makers.....	2	310	1 88	572 80	10
Watchmen.....	4	296	1 76	520 96	10
Yard hands.....	85	300	1 66	498 00	9

PATTERNS AND MODELS—7 ESTABLISHMENTS.

Apprentices.....	7	300	1 11	333 00	9.3
Die makers.....	2	300	3 00	900 00	10
Drill press hands.....	3	300	1 00	300 00	10
Errand boy.....	1	300	60	180 00	10
Finisher.....	1	300	2 00	600 00	10
Lathe hands.....	1	300	1 50	450 00	10
Metal workers.....	2	300	1 50	450 00	10
Model maker.....	1	300	3 50	1,050 00	10
Packers.....	2	310	1 25	387 50	9.5
Pattern makers.....	41	298	2 85	849 30	9
Pattern makers' helpers.....	2	300	1 25	375 00	9
Shop hand.....	1	300	60	180 00	10
Stampers.....	2	310	1 25	387 50	9.5

PIANOS AND OTHER MUSICAL INSTRUMENTS—3 ESTABLISHMENTS.

Cabinet makers.....	3	305	2 50	762 50	10
Engineer.....	1	305	3 00	915 00	10
Fireman.....	1	305	1 50	457 50	10
Foremen.....	6	305	3 48	1,061 40	10
Laborers.....	13	305	1 47	448 35	10
Laborers (boys).....	4	305	2 75	228 75	10
Machine hands.....	10	305	2 00	610 00	10
Millwright.....	1	305	2 25	686 25	10
Packers.....	5	305	1 76	536 80	10
Piano makers.....	65	305	2 07	631 25	10
Piano makers (boys).....	71	305	1 05	320 25	10
Porters.....	2	305	1 25	381 25	10
Tinners.....	20	305	3 00	915 00	10
Varnishers.....	118	305	1 94	591 70	10
Varnishers' helpers.....	36	305	1 05	320 25	10
Veneer cutters.....	3	305	2 50	762 50	10
Watchmen.....	3	305	1 50	457 50	11.3

PICKLES, PRESERVES AND SAUCES—6 ESTABLISHMENTS

Bottlers.....	16	300	1 15	445 00	10
Copper.....	1	169	2 00	338 00	10
Cooks.....	2	169	4 75	802 75	10
Engineers.....	3	256	2 13	545 28	10
Fillers.....	22	300	1 33	399 00	10
Helpers.....	3	300	1 50	450 00	10
Laborers.....	98	286	1 48	423 28	10
Packers.....	18	300	1 19	357 00	10
Picklers.....	3	300	1 75	525 00	9

TABLE IV_c—MANUFACTURES—CINCINNATI—Continued.

PICKLES, PRESERVES AND SAUCES—6 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Processers.....	4	267	\$1 94	\$517 98	10
Teamsters.....	3	300	1 33	399 00	10
Tipper.....	1	169	1 75	295 75	10

PLATING—2 ESTABLISHMENTS.

Buffers.....	17	300	2 74	822 00	9.9
Burnishers.....	10	301	2 27	683 27	9.9
Casters.....	5	300	2 00	600 00	10
Driver.....	1	306	1 80	550 80	9
Engineers.....	2	300	2 38	714 00	9.5
Engravers.....	7	300	2 00	600 00	10
Helpers.....	93	300	1 01	303 00	10
Mold makers.....	5	300	3 00	900 00	10
Packers.....	2	300	2 00	600 00	10
Platers.....	7	302	2 18	658 36	9.7
Polishers.....	11	302	2 61	788 22	9.6
Solderers.....	30	300	2 80	840 00	10
Spinners.....	11	300	2 85	855 00	10
Stock clerk.....	1	300	4 00	1,200 00	10
Turners.....	18	300	2 75	825 00	10
Wrappers.....	26	300	1 50	450 00	10

PLUMBING, STEAM AND GAS FITTING SUPPLIES—6 ESTABLISHMENTS.

Blacksmith.....	1	300	2 25	675 00	10
Cabinet makers.....	23	295	1 75	516 25	10
Core makers.....	4	262	1 31	343 22	9.6
Cupola tender.....	1	300	2 00	600 00	10
Drivers.....	3	299	1 50	448 50	10
Enamelers.....	4	300	2 50	750 00	10
Engineers.....	2	299	2 63	787 37	10
Finishers.....	4	250	1 50	375 00	9.5
Firemen.....	7	300	1 60	480 00	10
Fitters.....	21	292	1 36	397 12	9.9
Foremen.....	7	300	3 07	921 00	10
Grinders.....	3	300	1 75	525 00	10
Helpers.....	3	300	85	255 00	10
Laborers.....	52	302	1 54	465 08	9.4
Laborers' (boys).....	6	300	1 00	300 00	10
Machine hands.....	38	288	1 64	472 32	9.9
Machinists.....	28	300	2 97	891 00	10
Machinists helpers.....	17	300	1 43	429 00	10
Molders.....	57	298	2 28	679 44	10
Molders' helpers.....	10	300	1 25	375 00	10
Nickel platers.....	17	299	1 72	514 28	10
Packers.....	21	299	1 55	463 45	10
Rubbers.....	4	300	1 40	420 00	10
Steam fitters.....	40	309	3 44	1,062 96	8
Steam fitters helpers.....	40	309	2 13	658 17	8
Varnishers.....	29	289	1 16	335 24	9.9

POTTERY AND STONWARE—2 ESTABLISHMENTS.

Clay worker.....	1	68	1 80	122 40	10
Decorators.....	9	296	4 20	1,243 20	7.5
Dipper.....	1	68	2 00	136 00	10
Engineers.....	3	220	2 17	477 40	9.3
Foreman.....	1	68	2 65	180 20	10
Jiggerman.....	1	68	2 00	136 00	10
Kiln hands.....	2	68	2 00	136 00	10
Mold maker.....	1	68	2 50	170 00	10
Packer.....	1	68	1 75	119 00	10
Potters.....	16	296	2 10	621 60	10
Pressers.....	3	68	2 00	136 00	10
Turner.....	1	68	1 85	125 80	10
Warehouse hands.....	4	239	1 64	391 96	9.2
Watchman.....	1	296	2 00	592 00	9

TABLE IV_c—MANUFACTURES—CINCINNATI—Continued.

PRINTING AND BINDING—88 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentices.....	20	304	\$ 83	\$ 252 32	9.1
Artists.....	11	307	84 38	1,338 52	8.2
Binders.....	135	358	82 32	598 56	9.2
Binders (boys).....	55	286	91	260 26	9
Book makers.....	12	308	1 25	385 00	9
Box makers.....	20	310	1 46	452 60	9
Canvassers.....	15	306	2 25	688 50	8
Carpenier.....	1	308	2 50	770 00	9.5
Case makers.....	2	300	2 50	750 00	9.7
Coaters.....	57	310	1 79	554 90	9
Collector.....	1	306	2 50	765 00	8
Compositors.....	505	304	2 51	763 04	9
Compositors' helpers.....	3	303	1 58	478 74	9.3
Compositors' apprentices.....	3	280	50	140 00	9
Cutters.....	82	305	1 88	573 40	9.1
Die cutter.....	1	300	2 00	600 00	10
Driver.....	1	300	1 50	450 00	9.5
Electricians.....	2	308	2 00	616 00	9.5
Electrotypers.....	18	308	2 44	751 52	9.3
Elevator hands.....	3	309	1 70	525 30	9.3
Embossers.....	33	304	1 60	486 40	9
Engineers.....	17	299	2 73	816 27	9.2
Engravers.....	108	305	2 63	802 15	8.2
Errand boys.....	30	301	57	171 57	9.4
Feeders.....	410	305	1 67	509 35	9.1
Feeders (boys).....	70	303	86	260 58	9.2
Finishers.....	45	309	2 32	716 88	9
Firemen.....	3	309	1 69	522 21	9.3
Foremen.....	13	300	3 72	1,116 00	9.2
Folders.....	3	306	1 42	434 52	9
Folders (boys).....	2	306	95	290 70	8.5
Forwarders.....	16	301	2 67	803 67	9.4
Foundry hands.....	30	304	2 50	760 00	9
Gatherers.....	20	310	1 94	601 40	9
Helpers.....	10	300	89	267 00	9
Ink hands.....	9	304	2 00	608 00	9
Janitors.....	4	309	1 83	565 47	9.4
Jobbers.....	21	304	1 50	456 00	9
Laborers.....	105	312	1 66	517 92	9.1
Laborers (boys).....	29	305	82	250 10	9.5
Linotype operators.....	18	305	3 89	1,186 45	8.3
Machine hands.....	2	300	2 50	750 00	9.7
Machinists.....	47	310	2 67	827 70	9
Mailers.....	20	309	1 24	383 16	9.4
Marbler.....	1	300	4 17	1,251 00	9
Numberer.....	1	280	51	142 80	8.5
Painter.....	1	308	2 50	770 00	9.5
Porters.....	6	305	1 58	481 90	9.5
Pressmen.....	196	298	2 37	706 26	9.3
Pressmen's assistants.....	3	297	1 25	371 25	9.3
Proof readers.....	2	309	3 36	1,038 24	8.5
Rulers.....	15	301	2 85	857 85	9.2
Shipping clerk.....	1	300	2 00	600 00	10
Solicitors.....	5	306	3 50	1,071 00	8
Stampers.....	2	300	3 34	1,002 00	9.7
Stock hands.....	6	307	1 46	448 22	9
Teamster.....	1	308	2 77	853 16	9.5
Varnish hands.....	14	304	90	273 60	9
Watchman.....	1	308	2 16	665 28	9.5

PRINTERS' ROLLERS—2 ESTABLISHMENTS.

Roller makers.....	5	300	2 20	660 00	9.2
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TABLE IV_c—MANUFACTURES—CINCINNATI—Continued.

PUMPS AND WATER WHEELS—4 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentices.....	50	307	\$ 55	\$168 85	9
Blacksmiths.....	4	307	2 85	874 95	9
Carpenters.....	8	307	2 50	767 50	9
Casting cleaners.....	23	307	1 75	537 25	10
Core makers.....	40	307	2 50	767 50	10
Driver.....	1	306	2 00	612 00	9.5
Electricians.....	3	307	2 10	644 70	9
Engineers.....	3	305	2 43	741 15	9.3
Foremen.....	4	305	3 00	915 00	9.6
Iron workers.....	3	306	1 50	459 00	9.5
Laborers.....	223	307	1 60	491 20	9.3
Lathe hand.....	1	260	1 85	481 00	9.2
Machinists.....	2	306	3 25	994 50	9.5
Mechanics.....	161	307	2 65	813 55	9
Molders.....	67	307	2 96	908 72	10
Painters.....	8	307	1 87	574 09	9.1
Pattern makers.....	20	307	3 33	1,022 31	9
Pump makers.....	20	300	1 66	498 00	10
Watchmen.....	3	307	1 50	460 50	9

REGALIA—8 ESTABLISHMENTS.

Apprentices.....	3	251	83	208 33	9
Artists.....	2	246	2 50	615 00	9
Cabinet makers.....	2	300	2 25	675 00	10
Cap maker.....	1	300	3 00	900 00	10
Coat makers.....	17	300	3 00	900 00	10
Cutters.....	4	300	3 63	1,089 00	9.5
Designer.....	1	245	3 00	735 00	9
Embossers.....	4	300	2 75	825 00	8.5
Foreman.....	1	304	3 00	912 00	10
Lantern slide maker.....	1	300	3 00	900 00	8
Leather workers.....	4	300	2 25	675 00	10
Painters.....	2	300	2 50	750 00	10
Porter.....	1	210	1 00	210 00	10
Pressers.....	2	304	2 50	760 00	10
Shipping clerks.....	2	304	2 00	608 00	10
Trunk maker.....	1	300	2 00	600 00	10

ROOFING (IRON, STEEL AND TIN)—7 ESTABLISHMENTS.

Apprentice.....	1	302	75	226 50	.8
Cornice cutter.....	1	302	3 50	1,057 00	8
Cornice makers.....	8	300	2 50	750 00	8
Drivers.....	2	301	1 75	526 75	10
Foreman.....	1	300	2 00	600 00	10
Helpers.....	13	303	1 43	433 29	8.5
Laborers (boys).....	1	348	83	288 84	10
Mechanics.....	9	249	2 48	617 52	8
Roofers.....	12	276	2 20	607 20	8.5
Shipping clerks.....	2	348	2 13	741 24	10
Shop hands.....	2	300	1 50	450 00	10
Turners.....	29	300	2 47	741 00	8.1

SAFES, VAULTS AND LOCKS—6 ESTABLISHMENTS

Apprentices.....	2	300	50	150 00	10
Blacksmiths.....	24	308	1 95	600 60	9.2
Box makers.....	8	312	2 00	624 00	9.5
Box nailer.....	1	312	1 05	327 60	9.5
Cabinet makers.....	9	307	2 00	614 00	9.3
Carpenters.....	11	309	2 42	747 78	9.3
Door makers.....	10	312	2 50	780 00	9.5
Drillers.....	12	312	1 25	390 00	9.5
Engineers.....	3	309	2 83	874 47	9.2
Iron straighteners.....	2	312	2 50	780 00	9.5

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

SAFES, VAULTS AND LOCKS—6 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Iron workers (boys).....	45	306	\$1 25	\$382 50	10
Laborers.....	43	309	1 82	562 38	9.4
Lathe hands.....	5	312	1 65	514 80	9.5
Lock setters.....	6	312	2 18	680 16	9.5
Locksmiths.....	15	308	1 89	582 12	9.3
Machinists.....	50	307	1 84	564 88	9.3
Molders.....	4	308	3 00	924 00	9
Ornameters.....	4	312	2 75	858 00	9.5
Packers.....	2	306	1 50	459 00	10
Painters.....	80	308	2 30	708 40	9.3
Pattern makers.....	1	312	2 75	858 00	9.5
Plasterers.....	3	312	2 50	780 00	9.5
Platers.....	6	309	2 33	719 97	9.2
Polishers.....	10	308	1 93	594 44	9.3
Safe fillers.....	5	310	1 75	542 50	9.7
Safe makers.....	233	308	1 94	597 52	9.2
Sawyers.....	2	312	2 00	624 00	9.5
Watchman.....	1	308	1 75	539 00	9

SASH, DOORS, LUMBER AND INTERIOR FINISH—23 ESTABLISHMENTS.

Bench hands.....	63	300	2 51	753 00	9.2
Cabinet makers.....	18	300	2 42	726 00	8.9
Carpenters.....	183	301	2 92	878 92	8.2
Carpenters' helpers.....	1	365	1 75	273 75	10
Craters.....	4	300	1 50	450 00	10
Cutters.....	4	303	2 50	757 50	10
Drivers.....	42	304	1 61	489 44	9.9
Engineers.....	15	301	2 34	704 34	9.4
Firemen.....	7	302	1 52	459 04	8.3
Foremen.....	11	298	2 95	879 10	9
Glazier.....	1	365	1 75	638 75	10
Glaziers' helpers.....	2	365	1 75	273 75	10
Gluers.....	6	300	1 50	450 00	10
Helpers.....	12	307	1 03	316 21	10
Inspectors.....	5	301	2 50	752 50	10
Laborers.....	284	297	1 36	403 92	9.8
Laborers (boys).....	8	300	1 00	300 00	9
Machine hands.....	88	300	2 45	735 00	9.4
Machine hands' helpers.....	14	305	1 19	362 95	9.7
Machinists.....	11	300	2 20	660 00	9
Mill hands.....	64	285	2 18	621 30	9.8
Millwright.....	1	307	2 25	690 75	10
Packers.....	10	303	1 56	472 68	10
Packers' helpers.....	4	307	1 15	353 05	10
Painters.....	2	365	1 50	547 50	10
Planers.....	8	305	1 19	362 95	10
Sash makers.....	2	365	1 25	456 25	10
Saw filer.....	1	307	2 50	767 50	10
Sawyers.....	40	303	2 42	733 26	9.4
Shipping clerks.....	13	365	1 54	562 10	10
Stair builders.....	8	300	2 25	675 00	8
Stair builders' helper.....	1	300	2 50	750 00	8
Stock keeper.....	1	307	1 83	561 81	10
Turners.....	13	300	2 04	612 00	9.9
Varnishers.....	4	300	1 66	498 00	10
Watchmen.....	4	318	1 62	515 16	11
Wood workers.....	2	300	2 50	750 00	10
Yard hands.....	30	301	1 57	472 57	9.8

TABLE IV_c—MANUFACTURES—CINCINNATI—Continued.

SLAUGHTERING AND MEAT PACKING—17 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Blacksmiths.....	17	215	\$1 66	\$356 90	10
Butchers.....	259	287	2 09	599 83	10
Butchers (boys).....	11	215	1 00	215 00	10
Canners.....	21	276	1 48	408 48	10
Casing hands.....	25	215	2 00	430 00	10
Carpenters.....	8	215	2 00	430 00	10
Cellar hands.....	32	280	1 82	509 60	10
Drivers.....	56	275	1 87	514 25	10
Electrician.....	1	215	1 75	376 25	10
Engineers.....	24	303	2 71	821 13	10.1
Firemen.....	7	263	1 96	515 48	10.1
Foremen.....	2	300	2 50	750 00	10
Helpers.....	34	217	1 70	368 90	10
Hide hands.....	4	215	1 91	410 65	10
Hostler.....	1	300	2 00	600 00	10
Laborers.....	82	266	1 62	430 92	9.9
Laborers (boys).....	11	282	67	188 94	10
Lard hands.....	12	273	2 14	584 22	10
Meat cutters.....	28	287	2 15	617 05	10
Oleomargarine makers.....	3	215	2 50	537 50	10
Packers.....	5	307	1 80	552 60	10
Pipe fitters.....	2	215	2 10	451 50	10
Salters.....	7	312	2 23	695 76	10
Sausage makers.....	81	284	2 24	636 16	9.9
Shipping clerks.....	16	300	1 86	558 00	10
Smokers.....	11	300	1 79	537 00	10
Solicitors.....	17	300	1 48	444 00	7
Stable hands.....	8	327	1 83	598 41	10
Store room hands.....	9	329	1 80	592 20	10
Tinner.....	1	215	2 25	483 75	10
Watchmen.....	7	255	1 94	494 70	10

SOAP, CANDLES AND TALLOW—17 ESTABLISHMENTS.

Blacksmiths.....	4	306	2 60	795 60	10
Bleach maker.....	1	309	2 00	618 00	9
Boilers.....	14	300	2 00	600 00	11
Carpenters.....	18	303	2 65	802 95	10
Coopers.....	6	300	2 00	600 00	10
Cutters.....	85	300	1 26	378 00	10
Drivers.....	8	301	1 71	514 71	10
Engineers.....	23	303	2 49	754 47	9.9
Firemen.....	6	303	1 68	509 04	10
Foremen.....	7	298	2 78	828 44	9.4
Helper.....	1	318	1 67	531 06	10
Laborers.....	707	305	1 72	524 60	10
Laborers (boys).....	4	306	75	229 50	10
Locomotive crew.....	10	306	2 45	749 70	10
Machinists.....	11	306	3 22	985 32	10
Mill hands.....	5	304	1 20	364 80	10
Millwrights.....	4	306	3 75	1,147 50	10
Molders.....	34	300	1 50	450 00	10
Nailers.....	2	318	1 33	422 94	10
Packers.....	19	300	1 45	435 00	9.7
Pipe fitters.....	54	306	2 20	673 20	10
Pressers.....	44	302	1 72	519 44	10
Printers.....	6	305	2 00	610 00	10
Renderer.....	1	310	2 00	620 00	10
Shipping clerk.....	1	309	1 63	503 67	9
Soap makers.....	19	302	2 31	697 62	9.9
Teamsters.....	8	306	2 10	643 60	10
Watchmen.....	10	305	2 00	610 00	10.2
Wrappers.....	6	300	58	174 00	9.8

TABLE IV_c—MANUFACTURES—CINCINNATI—Continued.
SODA AND MINERAL WATERS—12 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bottlers.....	17	303	\$1 73	\$539 34	8.6
Bottle washers.....	15	301	1 22	367 22	8.8
Drivers.....	24	302	1 87	564 74	8.7
Foremen.....	4	304	2 50	760 00	8.5
Helpers.....	4	305	1 15	350 75	9.5
Hostlers.....	3	305	1 66	506 30	8.3
Labelers.....	3	300	1 70	510 00	10
Laborers.....	10	274	1 30	356 20	8.4
Shop hands.....	5	300	1 02	306 00	9

STENCILS, STAMPS AND SEALS—5 ESTABLISHMENTS.

Die makers.....	5	303	2 40	727 20	9.2
Engineer.....	1	305	3 00	915 00	10
Engravers.....	2	305	2 50	762 50	10
Fireman.....	1	305	2 00	610 00	10
Foremen.....	2	300	3 25	975 00	8
Helpers.....	14	305	1 25	381 25	10
Machinists.....	2	306	2 00	612 00	10
Millwright.....	1	305	2 50	762 50	10
Polishers.....	5	305	2 00	610 00	10
Printers.....	2	306	1 75	535 50	10
Punchers.....	10	305	1 50	457 50	10
Stamp cutters.....	2	305	3 00	915 00	10
Stamp makers.....	2	323	2 00	646 00	9
Stencil boys.....	2	300	1 00	300 00	8
Stencil cutters.....	2	303	2 13	645 39	9

STONE (CUT, SAWED AND ARTIFICIAL)—4 ESTABLISHMENTS.

Apprentice.....	1	225	2 50	562 50	8
Brick layers.....	15	230	4 50	1,035 00	8
Carpenter.....	1	230	2 00	460 00	9
Cutters.....	28	226	3 92	885 92	8
Drivers.....	5	223	1 75	390 25	8
Engineers.....	2	230	2 75	632 50	9.5
Foremen.....	3	255	3 00	765 00	10
Helpers.....	15	230	1 75	402 50	9
Laborers.....	38	241	2 22	535 02	9
Mill hands.....	3	230	2 00	460 00	10

STOVES, RANGES AND FURNACES—13 ESTABLISHMENTS.

Apprentices.....	13	306	75	229 50	9
Blacksmiths.....	3	306	2 57	786 42	9
Buffers.....	6	305	1 65	503 25	10
Carpenters.....	4	298	2 97	865 06	9
Casting cleaners.....	5	280	1 50	420 00	9.5
Construction hands.....	11	305	1 48	451 40	10
Coppersmiths.....	4	306	3 00	918 00	9
Core makers.....	3	280	2 50	700 00	9.5
Craters.....	10	305	1 60	488 00	10
Cupola tenders.....	3	280	1 66	464 80	9.5
Draughtsmen.....	4	306	3 00	918 00	9
Drillers.....	2	306	1 75	535 50	9
Drivers.....	7	309	1 88	580 92	9.7
Engineers.....	9	289	2 36	682 04	9.2
Finishers.....	26	305	1 76	536 80	9.8
Fireman.....	1	306	2 00	612 00	9
Foremen.....	23	301	3 04	915 04	9
Furnace makers.....	8	308	2 50	770 00	9
Grinders.....	4	280	1 50	420 00	9.5
Helpers.....	25	306	1 14	348 84	9
Laborers.....	47	273	1 53	417 69	9.8
Laborers (boys).....	45	306	75	229 50	10
Machinists.....	3	306	3 00	918 00	9.5
Mechanics.....	10	300	2 00	600 00	10

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

STOVES, RANGES AND FURNACES—13 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Molders.....	111	265	\$2 83	\$749 95	9.7
Molders' helpers.....	2	280	1 50	420 00	9.5
Mounters.....	74	289	2 11	609 79	9.2
Mounters' helpers.....	5	280	1 66	464 80	9.5
Packers.....	3	306	1 50	459 00	9.5
Pattern filers.....	4	280	2 10	588 00	9.5
Pipe fitters.....	2	306	2 75	841 50	9
Plater.....	1	280	2 50	700 00	9.5
Polishers.....	8	289	2 18	630 02	9.3
Porters.....	8	308	1 93	594 44	9.6
Press hands.....	10	306	1 00	306 00	10
Range makers.....	35	306	2 24	685 44	9.2
Range makers' helpers.....	9	306	1 00	306 00	10
Riveters.....	2	280	1 50	420 00	9.5
Sheet iron workers.....	70	310	2 50	775 00	10
Shippers.....	6	306	2 12	648 72	9
Spinner.....	1	306	3 00	918 00	9
Testers.....	3	305	1 86	567 30	10
Tinners.....	122	305	2 16	658 80	9.2
Urn makers.....	3	306	3 33	1,018 98	9
Watchmen.....	2	293	1 71	501 03	9.7

TINWARE, SHEET-IRON AND GALVANIZED IRONWARE—22 ESTABLISHMENTS.

Apprentice.....	1	300	1 00	300 00	8
Blacksmith.....	1	303	2 50	757 50	9
Box makers.....	5	307	1 66	509 62	10
Buffer.....	1	304	1 50	456 00	10
Carpenter.....	1	300	2 25	675 00	9
Cleaners.....	2	300	1 66	498 00	10
Coaters.....	2	300	1 50	450 00	11
Die makers.....	2	300	2 25	675 00	10
Die setter.....	1	300	2 00	600 00	10
Drivers.....	5	300	1 94	582 00	9.8
Elevator hand.....	2	304	1 25	380 00	10
Engineers.....	3	303	2 77	839 31	10.6
Firemen.....	1	300	1 50	450 00	10
Foremen.....	13	302	2 60	785 20	9.6
Galvanizers.....	26	313	1 70	532 10	10
Helpers.....	35	303	1 43	433 29	8.6
Japanners.....	11	302	1 59	480 18	10
Laborers.....	31	305	1 47	448 35	9.8
Laborers (boys).....	47	302	2 69	208 38	10
Lithographers.....	4	307	3 00	921 00	10
Machine hands.....	53	311	1 43	444 73	10
Machine hands (boys).....	25	300	1 07	321 00	9.2
Machineists.....	14	307	2 53	776 71	9.5
Nailers.....	2	304	1 50	456 00	10
Oiler.....	1	304	1 00	304 00	10
Painters.....	31	306	79	241 74	9.9
Platers.....	2	300	1 50	450 00	10
Porters.....	19	303	1 52	460 56	9.9
Press hands.....	67	304	1 39	421 56	10
Retinners (boys).....	9	304	83	252 32	10
Roofers.....	9	271	2 25	609 75	8
Sawyers.....	2	304	2 00	608 00	10
Sheaters.....	18	307	1 50	460 50	10
Sheet-iron workers.....	46	301	1 94	583 94	8.6
Shopping clerks.....	2	320	2 25	720 00	10
Solderers.....	9	300	1 50	450 00	10
Stencilers.....	6	307	1 17	359 19	10
Stock keepers.....	2	304	1 25	380 00	10
Tinners.....	101	303	2 13	645 39	8.9
Tinners' helpers.....	19	300	1 08	324 00	10
Tool maker.....	1	300	2 00	600 00	10
Watchmen.....	3	303	1 85	560 55	9.6
Wood workers.....	2	300	1 75	525 00	9

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

TOBACCO (CHEWING AND SMOKING)—5 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bundlers.....	5	308	\$1 00	\$308 00	9
Cutters.....	3	302	2 11	637 22	9.3
Dippers.....	4	302	1 66	501 32	9
Driver.....	1	300	2 00	600 00	9
Engineers.....	2	300	2 50	750 00	9.5
Feeders.....	3	300	1 63	489 00	9
Foremen.....	2	304	2 50	760 00	9
Laborers.....	24	299	1 52	454 48	9.5
Mixer.....	1	308	1 83	563 64	9
Packers.....	5	300	1 33	399 00	9
Pickers.....	10	304	82	249 28	9
Sawyer.....	1	308	1 66	511 28	9
Stampers.....	12	302	1 22	368 44	9
Truckers.....	4	308	1 50	462 00	9
Watchman.....	1	300	1 83	549 00	9
Wringer hands.....	3	302	1 71	516 42	9

TOOLS—34 ESTABLISHMENTS.

Apprentices.....	155	299	84	251 16	9.5
Bench hands.....	3	300	1 50	450 00	10
Blacksmiths.....	4	303	2 85	863 55	9.2
Carpenters.....	7	304	2 06	626 24	9.8
Case hardeners.....	2	299	2 00	598 00	9.5
Casting cleaners.....	8	299	1 55	463 45	9.5
Die makers.....	7	260	2 57	668 20	9.1
Draughtsmen.....	11	303	2 91	881 73	9.8
Drill press hands.....	40	295	1 78	525 10	9.1
Electrician.....	1	306	2 60	795 60	10
Emery wheel hands.....	2	306	2 12	648 72	10
Engineers.....	14	297	2 43	721 71	9.6
File cutters.....	9	300	1 50	450 00	8
Firemen.....	3	301	1 47	442 47	9.6
Foremen.....	4	270	3 27	882 90	9.1
Forgers.....	3	310	2 20	682 00	10
Gear cutters.....	8	305	1 00	305 00	9
Grinders.....	12	307	2 32	712 24	8.7
Helpers.....	58	297	1 48	439 56	9.3
Inspectors.....	5	299	2 00	598 00	9.5
Laborers.....	347	301	1 67	502 67	9.5
Laborers (boys).....	10	300	97	291 00	8.9
Lathe hands.....	257	296	1 93	571 28	9.1
Machine hands.....	51	285	1 91	544 35	9.6
Machine hands (boys).....	3	310	70	217 00	10
Machinists.....	878	299	2 28	681 72	9.3
Machinists' helpers.....	14	280	1 25	350 00	9.5
Mill hands (boys).....	29	291	82	238 62	9
Millwright.....	4	299	2 00	598 00	9.6
Packers.....	4	299	1 70	508 30	9.5
Painters.....	31	296	1 71	506 16	9.3
Pattern makers.....	19	297	2 54	754 38	9
Planer hands.....	66	295	1 87	551 65	9
Polishers.....	13	305	1 90	579 50	9.8
Press hands.....	4	300	1 25	375 00	10
Saw makers.....	17	303	2 68	812 04	9
Scraper hands.....	8	299	1 99	595 01	9.5
Tool makers.....	30	299	2 62	783 38	9.5
Vise hands.....	195	295	2 25	663 75	9.3
Watchman.....	1	310	1 25	387 50	10

TRUNKS AND VALISES—7 ESTABLISHMENTS.

Box nailers.....	5	240	1 90	456 00	10
Case maker.....	1	300	2 00	600 00	9
Coverers.....	2	170	2 00	340 00	8
Finishers.....	48	240	1 90	456 00	10

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

TRUNKS AND VALISES—7 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Foreman.....	1	300	\$2 50	\$750 00	9
Helpers.....	4	240	1 45	348 00	10
Laborer (boy).....	1	300	2 66	198 00	9
Machine hands.....	4	240	2 20	528 00	10
Trunk makers.....	73	292	1 84	537 28	9.9
Wood workers.....	2	170	2 00	340 00	8

WIRE RODS, WIRE CLOTH AND WIRE GOODS—4 ESTABLISHMENTS.

Apprentices.....	3	300	1 25	375 00	9.5
Blacksmith.....	2	300	2 00	600 00	10
Brush makers.....	10	305	2 50	762 50	10
Foreman.....	1	300	2 00	600 00	10
Helpers.....	4	300	1 00	300 00	10
Laborers.....	2	300	1 50	450 00	10
Laborers (boys).....	2	300	1 00	300 00	9.5
Wire workers.....	37	290	1 77	513 30	9.9

MISCELLANEOUS—40 ESTABLISHMENTS.

Assorters.....	2	306	3 00	918 00	10
Bakers.....	8	310	1 50	465 00	10
Baseball makers.....	12	300	1 50	450 00	9.5
Basket makers.....	2	300	1 00	300 00	10
Batting preparers.....	11	289	99	286 11	10
Brick masons.....	10	300	5 00	1,500 00	8
Brick masons' helpers.....	10	300	1 75	525 00	8
Buffing wheel makers.....	2	300	2 00	600 00	9
Butter workers.....	2	305	1 75	533 75	10
Carpenters.....	40	314	2 69	844 66	8
Carvers.....	5	300	3 00	900 00	10
Casters.....	9	64	2 00	128 00	9
Churn master.....	1	305	4 00	1,220 00	10
Churn master's assistant.....	1	305	2 50	762 50	10
Cloth examiners.....	1	313	1 67	522 71	9
Cloth roller.....	2	313	1 67	522 71	9
Coopers.....	2	310	2 08	644 80	9
Cushion filler.....	1	500	50	150 00	10
Cutters.....	15	272	1 36	369 92	9.7
Designer.....	1	245	3 50	857 50	9
Draughtsmen.....	3	315	3 00	945 00	10
Drivers.....	7	266	1 70	452 20	9.8
Engineers (architectural).....	2	315	5 23	1,647 45	10
Engineers.....	70	342	2 90	991 80	11.4
Finishers.....	5	306	3 25	994 50	10
Firemen.....	93	363	2 14	776 82	11.9
Foremen.....	15	300	3 41	1,023 00	9.7
Frame makers.....	8	260	1 25	325 00	9
Furrier.....	1	300	3 66	1,098 00	9
Gluers.....	2	302	1 62	489 24	10
Grader.....	1	300	2 50	750 00	10
Helpers.....	5	300	1 40	420 00	9.6
Iron workers.....	7	300	2 57	771 00	10
Jointers.....	4	302	2 00	604 00	10
Laborers.....	1,107	343	1 69	579 67	9.9
Laborers (boys).....	22	303	86	260 58	9.3
Linemen.....	65	365	2 25	821 25	10
Machine hands.....	20	304	230	699 20	9.2
Machine hands (boys).....	5	302	60	181 20	10
Machinists.....	11	291	2 13	619 83	9.9
Matrix makers.....	3	806	3 25	994 50	9
Mechanics.....	118	355	2 24	795 20	9.9
Meter hands.....	35	365	2 60	949 00	10
Milk hands.....	2	305	3 00	915 00	10
Millers.....	4	300	2 00	600 00	10
Millwrights.....	2	300	2 00	600 00	10
Mixers.....	2	306	3 00	918 00	10

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

MISCELLANEOUS—40 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Model makers.....	6	103	\$3 75	\$ 386 25	9.1
Mold maker.....	1	306	4 00	1,224 00	9
Packers.....	5	111	1 60	177 60	9
Pad maker.....	1	289	2 10	606 90	10
Painters.....	11	128	2 00	256 00	9.2
Pattern maker.....	1	300	3 50	1,050 10	10
Pavers.....	20	365	3 35	857 75	12
Pencilcase makers.....	9	300	3 00	900 00	10
Pen makers.....	14	300	4 00	1,200 00	10
Plumbers.....	6	306	3 50	1,071 00	8
Plumbers' helpers.....	2	306	1 50	459 00	8
Porters.....	2	300	1 30	390 00	9.5
Pottery hands.....	4	290	1 60	464 00	10
Pressman.....	1	300	2 50	750 00	9.8
Printer.....	1	300	2 00	600 00	9.8
Punch cutter.....	1	306	4 00	1,224 00	9
Reed workers.....	3	220	1 75	385 00	10
Roll makers.....	6	305	1 75	533 75	10
Rubber workers.....	12	300	2 25	675 00	10
Rug makers.....	2	300	2 00	600 00	10
Rulemakers.....	2	306	2 50	765 00	9
Sanders.....	6	64	1 75	112 00	9
Sawyers.....	2	300	2 50	750 00	10
Scourers.....	4	300	2 50	750 00	10
Shipping clerks.....	5	285	1 60	456 00	10
Spinners.....	40	260	1 10	286 00	10
Steam fitters.....	9	306	3 30	1,009 80	8
Steam fitters' helpers.....	9	306	2 00	612 00	8
Stock keepers.....	1	64	1 50	96 00	9
Stone dressers.....	4	300	1 75	525 00	10
Switchboard tenders.....	3	365	2 40	876 00	12
Tanners.....	3	300	1 85	555 00	9.5
Teamster.....	1	305	1 67	509 35	10
Timekeeper.....	1	315	1 50	472 50	10
Tinner.....	1	22	2 25	49 50	9.5
Trimmers.....	20	361	1 81	653 41	10
Turners.....	4	300	2 75	825 00	10
Type casters.....	20	306	3 00	918 00	9
Type makers.....	32	306	2 00	612 00	9
Vise hands.....	6	290	1 50	435 00	10
Watchmen.....	5	304	2 00	608 00	10
Wrappers.....	3	305	1 25	381 25	10

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

ADVERTISING NOVELTIES AND SIGNS—3 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Laborers.....	58	308	\$ 65	\$200 20	9.3
Pasters.....	6	130	50	65 00	9
Printers.....	10	308	65	220 00	9.3
Sign makers.....	15	300	90	270 00	10

AWNINGS, TENTS AND FLAGS—7 ESTABLISHMENTS.

Awning makers.....	2	306	1 50	459 00	10
Basters.....	3	232	67	155 44	10
Feeders.....	4	360	1 00	360 00	10
Finishers.....	30	312	60	187 20	10
Folders.....	4	360	1 00	360 00	10
Forelady.....	1	232	1 00	232 00	10
Helpers.....	2	300	95	285 00	10
Seamstresses.....	33	298	99	295 02	10
Sticklers.....	8	360	1 25	450 00	10
Wood workers.....	3	312	68	212 16	10

BAGS (PAPER AND BURLAP)—5 ESTABLISHMENTS.

Bag makers.....	12	289	75	216 75	10
Box makers.....	3	289	1 50	433 50	10
Finishers.....	6	310	80	248 00	10
Machine tenders.....	4	310	80	248 00	10
Pasters.....	7	312	83	258 96	9
Piece workers.....	5	310	1 00	310 00	10
Press feeders.....	3	310	1 00	310 00	10
Printers.....	16	300	82	246 00	10
Sack makers.....	17	312	87	271 44	10
Sewers.....	10	313	78	243 14	9

BILLIARD TABLES, BAR AND STORE FIXTURES—1 ESTABLISHMENT.

Casing cleaners.....	2	308	1 00	308 00	9
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BOOTS AND SHOES—26 ESTABLISHMENTS

Apprentices.....	2	300	40	120 00	9.5
Bottomers.....	1	300	25	75 00	10
Cleaners.....	100	282	76	214 32	10
Cutters.....	5	300	50	150 00	10
Finishers.....	5	300	83	249 00	10
Fitters.....	2,351	275	1 03	283 25	9.9
Foreladies.....	2	312	2 00	624 00	10
Helpers.....	10	300	60	180 00	10
Lacers.....	72	276	75	207 00	9.9
Packers.....	270	278	80	222 40	10
Seamers.....	10	300	1 00	300 00	10
Stitchers.....	28	260	1 02	265 20	10
Trechers.....	16	295	1 10	324 50	10
Vampers.....	2	300	1 00	300 00	10

BOXES (PAPER)—7 ESTABLISHMENTS.

Box makers.....	145	302	81	244 62	10
Finishers.....	130	305	69	210 45	10
Helpers.....	60	308	46	141 68	9.9
Laborers.....	26	302	92	277 84	10
Machine hands.....	63	306	77	235 62	9.9
Pasters.....	10	300	75	225 00	10
Staying machine hands.....	4	310	1 00	310 00	10

BOXES (WOODEN)—4 ESTABLISHMENTS.

Hinger.....	1	300	75	225 00	9
Pasters.....	75	298	84	250 32	9.7
Trimmers.....	30	308	90	277 20	10

TABLE IV_c—MANUFACTURES—CINCINNATI—Continued.
BREAD AND OTHER BAKERY PRODUCTS—11 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bakers.....	4	340	\$ 72	\$244 80	10.5
Clerks.....	188	310	75	232 50	10
Cook.....	1	300	75	225 00	8
Helpers.....	94	304	60	182 40	10
Icers and ornamenters.....	37	310	73	226 30	10
Janitress.....	1	307	1 00	307 00	8
Packers.....	106	305	88	268 40	10
Wrappers.....	18	307	80	245 60	9

BROOMS AND BRUSHES—3 ESTABLISHMENTS.

Brush makers.....	8	292	80	233 60	8.8
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CARRIAGES AND WAGONS—19 ESTABLISHMENTS

Machine hands.....	3	292	1 06	309 52	9.4
Pasters.....	2	290	65	188 50	9.7
Seamstress.....	1	300	83	249 00	8
Trimmers.....	100	269	1 10	295 90	9.2
Japanners.....	3	300	1 00	300 00	9
Lamp cleaners.....	3	300	75	225 00	9
Stitchers.....	2	300	75	225 00	9

CARRIAGE AND WAGON MATERIALS—2 ESTABLISHMENTS.

Machine operators.....	5	300	75	225 00	9
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CIGARS—30 ESTABLISHMENTS.

Bunch breakers.....	340	298	1 18	351 64	9.1
Cigar makers.....	56	297	1 73	513 81	8.1
Laborers.....	19	301	1 00	301 00	8.7
Packers.....	60	302	1 24	374 48	9.5
Rollers.....	938	299	1 20	358 80	9.3
Stampers.....	2	303	1 00	303 00	10
Strippers.....	475	294	70	205 80	8.8

CLOTHING—124 ESTABLISHMENTS.

Back makers.....	3	278	92	255 76	8
Band makers.....	2	278	1 10	305 80	8
Bushelers.....	4	318	95	302 10	9
Buttonhole makers.....	5	275	1 11	305 25	8.5
Cloak makers.....	59	281	1 42	399 02	8.5
Coat makers.....	199	303	1 30	393 90	9
Collar maker.....	1	278	92	255 76	8
Cuff maker.....	1	278	92	255 76	8
Cutters.....	6	284	1 83	519 72	9.3
Embroidery hands.....	15	281	89	250 09	8.5
Examiners.....	10	299	82	245 18	8.6
Fellers.....	3	278	1 10	305 80	8
Finishers.....	114	303	1 00	303 00	9.3
Finishers' helpers.....	25	312	1 00	312 00	9
Folders.....	15	306	87	266 22	9.7
Foreladies.....	6	287	1 93	553 91	8.7
Front makers.....	3	278	1 00	278 00	8
Helpers.....	105	290	52	150 80	9
Hemmer.....	1	278	92	255 76	8
Joiners.....	3	278	92	255 76	8
Machine operators.....	1,195	288	1 23	354 24	9
Markers.....	2	300	75	225 00	9
Pant makers.....	159	301	1 20	361 20	9.1
Piece workers.....	25	308	1 25	385 00	9
Pressers.....	7	290	1 13	327 70	9
Receivers.....	4	307	1 75	537 25	9.5
Seamstresses.....	1,295	298	1 01	300 98	9

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

CLOTHING—124 ESTABLISHMENTS—Concluded.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Shirt makers.....	116	288	\$0 99	281 16	8.9
Sleeve makers.....	4	278	92	255 76	8.9
Tackers.....	8	306	1 00	306 00	9.0
Tailoresses.....	503	276	1 16	320 16	8.8
Tassel makers.....	5	308	1 00	308 00	9.0
Ticket hands.....	10	304	1 00	304 00	9.0
Trimmers.....	45	306	93	284 58	9.7
Vest makers.....	140	304	1 18	358 72	9.1
Weaver.....	1	308	1 25	385 00	9.0

COFFEE, BAKING POWDER AND SPICES—7 ESTABLISHMENTS.

Extract makers.....	3	310	75	232 50	9.0
Foreladies.....	3	307	1 17	359 19	9.3
Helper.....	1	306	60	183 60	10.0
Labelers.....	9	306	88	269 28	10.0
Packers.....	34	307	1 29	396 03	9.2
Powder makers.....	14	307	80	245 60	8.2
Roasters.....	2	306	1 00	306 00	8.0
Washer.....	1	306	67	205 02	10.0

COFFINS AND BURIAL CASES—2 ESTABLISHMENTS.

Cloth workers.....	16	305	1 19	362 95	8.8
Janitress.....	1	317	1 00	317 00	8.5
Metal workers.....	22	300	90	270 00	9.0
Packers.....	6	317	1 25	396 25	8.5
Sewers.....	39	304	1 20	364 80	8.8

CONFECTIONERY—13 ESTABLISHMENTS.

Candy makers.....	62	310	80	248 00	9.9
Clerks.....	9	301	1 01	304 01	9.5
Dippers.....	34	290	67	194 30	9.4
Forelady.....	1	300	83	249 00	10.0
Helpers.....	2	300	75	225 00	9.0
Janitress.....	1	333	50	166 50	5.0
Packers.....	183	298	71	211 38	10.0
Wrappers.....	23	296	70	207 20	9.5

COPPER AND BRASS GOODS—5 ESTABLISHMENTS.

Burnishers.....	9	291	1 03	299 73	8.4
Core hands.....	20	296	75	222 90	10.0
Laborers.....	2	280	46	128 80	9.0
Lacquers.....	12	296	90	266 40	9.8
Packers.....	2	304	1 25	380 00	9.0
Wrappers.....	12	300	50	150 00	10.0

COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—7 ESTABLISHMENTS.

Ballers.....	2	300	54	162 00	10.0
Braiders.....	9	300	75	225 00	10.0
Brushers.....	5	300	50	150 00	10.0
Carders.....	29	241	71	171 11	10.0
Finishers.....	8	305	1 00	305 00	8.7
Foreladies.....	2	300	1 35	405 00	10.0
Knitters.....	65	303	91	275 73	9.4
Machine hands.....	45	300	1 17	351 00	10.0
Menders.....	12	300	75	225 00	10.0
Packers.....	15	304	93	282 72	9.4
Reeler.....	1	300	62	186 00	10.0
Soapers.....	20	300	1 25	375 00	10.0
Spinners.....	20	300	70	210 00	10.0
Spoolers.....	19	300	66	198 00	10.0
Transferers.....	18	300	1 00	300 00	10.0
Trimmers.....	3	300	62	186 00	10.0
Twisters.....	4	300	62	186 00	10.0
Winders.....	13	300	80	240 00	10.0

TABLE IV_c—MANUFACTURES—CINCINNATI—Continued.

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—8 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bottlers.....	3	300	\$ 57	\$ 171 00	9
Finishers.....	50	300	75	225 00	10
Folders.....	5	300	66	198 00	10
Labelers.....	9	305	76	231 80	9
Laborers.....	4	301	1 03	310 03	8.7
Machine hands.....	8	300	66	198 00	10
Packers.....	3	300	57	171 00	9
Pill makers.....	16	300	75	225 00	10
Sewers.....	8	300	66	198 00	10
Shipping clerk.....	1	300	80	240 00	10
Wrappers.....	3	309	84	259 56	10

ELECTRICAL GOODS AND SUPPLIES—3 ESTABLISHMENTS.

Armature winders.....	2	295	75	221 25	10
Core maker.....	1	300	1 35	405 00	8
Winders.....	43	307	67	205 69	9

EXTRACTS, TOILET ARTICLES AND PERFUMERY—3 ESTABLISHMENTS.

Bottlers.....	3	300	1 00	300 00	9.5
Boxers.....	2	300	1 00	300 00	9.5
Labelers and fillers.....	7	282	97	273 54	9.2

FLOURING MILL PRODUCTS—2 ESTABLISHMENTS.

Laborers.....	3	292	1 00	292 00	10
Packers.....	2	275	1 00	275 00	12

FURNITURE—15 ESTABLISHMENTS.

Caners.....	14	297	89	284 33	9.5
Cloak makers.....	25	308	1 25	385 00	9.5
Helper.....	1	300	1 00	300 00	10
Letter file makers.....	100	292	90	262 80	10
Machine hands.....	9	299	1 00	299 00	10
Seamstresses.....	17	302	1 04	314 08	9.6
Umbrella makers.....	15	300	1 00	300 00	10
Upholsters.....	10	307	1 00	307 00	9.5

GLASS AND GLASSWARE—3 ESTABLISHMENTS.

Apprentices.....	22	200	1 00	200 00	8
Cap makers.....	40	300	75	225 00	10
Case fillers.....	10	300	60	180 00	10
Packers.....	10	300	75	225 00	10
Sorters.....	14	302	60	181 20	10
Wrappers.....	20	300	75	225 00	10

HARDWARE—1 ESTABLISHMENT..

Wrapper.....	1	305	60	183 00	10
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HARNESS AND SADDLERY—3 ESTABLISHMENTS.

Coverer.....	1	300	1 00	300 00	9
Machine hands.....	2	307	1 00	307 00	8
Saddlers.....	3	301	1 10	331 10	10

HATS, CAPS AND FURNISHINGS—13 ESTABLISHMENTS.

Apprentices.....	4	300	60	180 00	8.8
Cap makers.....	82	345	1 45	500 25	8.9
Embroidery hand.....	1	300	1 00	300 00	8
Finishers.....	7	302	90	271 80	9
Foreladies.....	4	300	3 26	978 00	10
Garter makers.....	3	285	90	256 50	9.5

TABLE IV_c—MANUFACTURES—CINCINNATI—Continued.

HATS, CAPS AND FURNISHINGS—13 ESTABLISHMENTS—Concluded.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Hat makers.....	155	300	\$0 81	\$243 00	10
Machine hands.....	74	295	1 45	427 75	9
Milliners.....	10	312	1 25	390 00	10
Packers.....	2	290	1 00	290 00	9
Seamstresses.....	155	292	91	265 72	8.7
Suspender makers.....	18	345	1 02	351 90	8.9
Trimmers.....	78	282	1 53	431 46	9.7
JEWELRY AND WATCHES—9 ESTABLISHMENTS.					
Jeweler.....	1	260	80	208 00	10
Polishers.....	20	311	1 20	373 20	9.7
LEATHER AND LEATHER GOODS—2 ESTABLISHMENTS.					
Janitress.....	1	302	1 12	338 24	8
Laborers.....	3	305	1 00	305 00	10
LIQUORS (DISTILLED)—8 ESTABLISHMENTS.					
Bottlers.....	57	308	85	261 80	9.9
Cherry pickers.....	20	300	1 00	300 00	9
Labellers.....	68	303	82	248 46	9.5
Laborers.....	136	326	60	195 60	9.9
LIQUORS (MALT)—2 ESTABLISHMENTS.					
Cleaners.....	2	307	54	165 78	2.7
LITHOGRAPHING, ENGRAVING AND ELECTROTYPING—7 ESTABLISHMENTS.					
Binders.....	6	306	1 00	306 00	8.2
Cutter.....	1	300	1 00	300 00	9
Forelady.....	1	350	1 00	350 00	10
Gilders.....	3	303	1 00	303 00	8
Laborers.....	28	331	69	228 39	9.6
Wrappers.....	2	300	75	225 00	9
MACHINERY—1 ESTABLISHMENT.					
Janitress.....	1	300	1 00	300 00	9
MATTRESSES AND PILLOWS—5 ESTABLISHMENTS.					
Foreladies.....	2	309	2 00	618 00	9.5
Laborers.....	70	309	75	231 75	9.5
Seamstresses.....	5	304	1 01	307 04	9.8
Wire weavers.....	24	275	88	242 00	8
MOULDINGS AND FRAMES—3 ESTABLISHMENTS.					
Clerk.....	1	306	1 00	306 00	9
Veneers.....	7	279	95	265 05	10
Wrappers.....	8	196	52	101 92	9
OIL CLOTH AND WINDOW SHADE CLOTH—1 ESTABLISHMENT.					
Tackers.....	38	250	1 00	250 00	10
PAINTS AND VARNISHES—2 ESTABLISHMENTS.					
Labelers.....	5	300	88	264 00	8.9
PATTERNS AND MODELS—1 ESTABLISHMENT.					
Stampers.....	2	310	1 00	310 00	9

TABLE IV_c—MANUFACTURES—CINCINNATI—Continued.
PIANOS AND OTHER MUSICAL INSTRUMENTS—1 ESTABLISHMENT.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Laborers.....	7	305	\$1 00	\$305 00	10
PICKLES, PRESERVES AND SAUCES—6 ESTABLISHMENTS.					
Bottlers.....	89	293	67	196 31	10
Helpers.....	44	225	84	189 00	10
Labelers.....	74	295	65	191 75	10
Packers.....	30	300	75	225 00	10
PLATING—1 ESTABLISHMENT.					
Helpers.....	2	300	1 00	300 00	8
PLUMBING, STEAM AND GAS FITTING SUPPLIES—1 ESTABLISHMENT.					
Core makers.....	5	300	1 00	300 00	10
POTTERY AND STONEWARE—2 ESTABLISHMENTS.					
Decorators.....	25	296	2 30	680 00	7.5
Warehouse hands.....	2	63	75	51 00	10
PRINTING AND BINDING—49 ESTABLISHMENTS.					
Binders.....	259	297	1 15	341 55	9.1
Box makers.....	136	310	80	248 00	10
Clerk.....	1	306	1 00	306 00	8
Coaters.....	93	310	81	251 10	9
Compositors.....	110	309	88	271 92	9
Counters.....	4	280	1 06	296 80	8.5
Cutters.....	171	310	80	248 00	9
Embossers.....	62	304	75	228 00	9
Finishers.....	41	310	79	244 90	9
Folders.....	58	299	99	296 01	9.1
Forelady.....	1	300	1 25	375 00	10
Gatherers.....	350	309	73	225 57	9
Gold leaf layers.....	1	300	1 16	348 00	9.7
Janitresses.....	2	308	87	267 96	9.5
Laborers.....	11	300	95	285 00	9.2
Machine hands.....	2	300	1 10	330 00	9.7
Mailer.....	1	308	83	255 64	9.5
Pasters.....	21	301	75	225 75	9
Platers.....	2	300	1 10	330 00	9.7
Pouch makers.....	13	280	65	182 00	9
Press feeders.....	14	303	1 11	306 33	9.3
Sewers.....	27	301	1 21	364 21	9.3
PUMPS AND WATER WHEELS—1 ESTABLISHMENT.					
Core makers.....	13	307	90	276 30	10
REGALIA—8 ESTABLISHMENTS.					
Banner makers.....	3	304	1 20	364 80	10
Cap and helmet makers.....	15	300	1 25	375 00	10
Coat and pant makers.....	17	300	1 00	300 00	10
Costume makers.....	12	304	1 20	364 80	10
Crown makers.....	3	304	1 10	334 40	10
Embroidery hands.....	76	299	1 28	382 72	9
Errand girls.....	4	304	75	228 00	10
Flag and badge makers.....	15	300	1 00	300 00	10
Forelady.....	1	210	2 00	420 00	9
Gold leaf layers.....	3	300	1 00	300 00	8.5
Lantern slide maker.....	1	300	1 00	300 00	8
Leather worker.....	1	300	1 00	300 00	10
Machine hands.....	19	288	1 07	308 16	9.7
Painter.....	1	300	1 00	300 00	10

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

REGALIA—8 ESTABLISHMENTS—Concluded.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pressers.....	3	304	\$1 00	\$304 00	10
Regalia makers.....	45	299	1 06	316 94	9.7
Seamstresses.....	7	225	1 00	225 00	9
Tailoresses.....	16	304	1 20	364 80	10
Trimmer.....	1	153	1 00	153 00	10

SLAUGHTERING AND MEAT PACKING—3 ESTABLISHMENTS.

Canners.....	21	243	75	182 25	10
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SOAP, CANDLES AND TALLOW—11 ESTABLISHMENTS.

Box makers.....	88	305	71	216 55	10
Forelady.....	1	300	1 60	480 00	10
Laborers.....	67	305	60	183 00	9.9
Molders.....	24	300	85	255 00	10
Packers.....	261	304	83	252 32	9.9
Wrappers.....	176	304	71	215 84	10

STENCILS, STAMPS AND SEALS—1 ESTABLISHMENT.

Laborers.....	4	306	75	229 50	10
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STOVES, RANGES AND FURNACES—1 ESTABLISHMENT.

Machine hands.....	2	306	1 25	382 50	9
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TINWARE, SHEET-IRON AND GALVANIZED IRONWARE—3 ESTABLISHMENTS.

Foreladies.....	2	302	1 25	377 50	10
Japanners.....	3	304	83	252 32	10
Machine hands.....	30	307	75	230 25	10
Packers.....	12	307	60	184 20	10
Solderers.....	38	302	1 00	302 00	10
Stamp press hands.....	20	305	94	286 70	10
Wrappers.....	5	304	83	252 32	10

TOBACCO (CHEWING AND SMOKING)—5 ESTABLISHMENTS.

Forelady.....	1	305	1 15	350 75	8
Packers.....	110	303	1 37	415 11	9
Stamper.....	1	305	70	213 50	8
Tobacco worker.....	1	275	1 00	275 00	7

TRUNKS AND VALISES—2 ESTABLISHMENTS.

Finishers.....	4	240	90	216 00	10
Trunk makers.....	10	290	75	217 50	10

MISCELLANEOUS—16 ESTABLISHMENTS.

Baseball sewers.....	10	300	1 00	300 00	9.5
Baseball stuffers.....	5	300	55	165 00	9.5
Comfort makers.....	18	289	83	239 87	10
Cotton pad makers.....	6	289	82	236 98	10
Embroidery hands.....	8	245	1 25	306 25	9
Finishers.....	2	300	1 37	411 00	9.5
Foundry hands.....	3	306	1 50	459 00	9
Labelers.....	20	306	1 00	300 00	6
Laborers.....	57	304	64	194 56	9.1
Machine hands.....	21	286	1 07	306 02	9.3
Packers.....	16	283	54	152 82	9.8
Painters.....	4	64	75	48 00	9
Pencil case maker.....	1	300	1 00	300 00	9.7
Pen makers.....	2	300	1 00	300 00	9.7

TABLE IV_c—MANUFACTURES—CINCINNATI—Concluded.

MISCELLANEOUS—16 ESTABLISHMENTS—Concluded.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Press hands.....	8	310	\$ 60	\$ 186 00	10
Rubber makers.....	3	300	1 00	300 00	9.7
Sanders.....	8	64	50	32 00	
Seamstresses.....	41	266	84	233 44	8.5
Spinners.....	30	260	80	208 00	10
Wrappers.....	3	286	67	191 62	10

TABLE IV_{cc}—MANUFACTURES—CINCINNATI—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Bread and other bakery products.....	Drivers.....	35	10	
" " " " " "	Foremen.....	62	10	
" " " " " "	Laborers.....	60	1	8.9
" " " " " "	Packer.....	1	28	
Brick and tile.....	Brick makers.....	40	7	
" " " " " "	Burners.....	9	10	
" " " " " "	Cart hands.....	10	10	
" " " " " "	Dumpers.....	3	10	
" " " " " "	Elevator hand.....	1	10	
" " " " " "	Engineers.....	3	10	
" " " " " "	Fireman.....	1	10	
" " " " " "	Foreman.....	1	3	
" " " " " "	Loaders.....	24	10	
" " " " " "	Machine hands.....	3	10	
" " " " " "	Off-bearers.....	6	10	
" " " " " "	Pitchers.....	6	10	
" " " " " "	Pug mill hands.....	2	10	
" " " " " "	Setters.....	6	10	
" " " " " "	Steam shovel hands.....	5	10	
" " " " " "	Tile makers.....	8	11	
Brooms and brushes.....	Buncher.....	1	10	
" " " " " "	Sorters.....	4	10	
Bungs.....	Laborers (boys).....	12		10
" " " " " "	Machine hands.....	5		5
Carriages and wagons.....	Blacksmiths.....	17	8.1	
" " " " " "	Blacksmiths' helpers.....	8	6.7	
" " " " " "	Foremen.....	10	10	
" " " " " "	Horse shoer.....	1	20	
" " " " " "	Laborers.....	30	10	
" " " " " "	Mounters.....	7	5	
" " " " " "	Painters.....	56	8.2	
" " " " " "	Trimmers.....	57	8.5	
" " " " " "	Warehouse hands.....	20	10	
Carriage and wagon materials.....	Wood workers.....	14	9.3	
" " " " " "	Laborers.....	27	10	
" " " " " "	Machine hands.....	30	5	
" " " " " "	Wood workers.....	40	5	
Cigars.....	Caser.....	1	20	
" " " " " "	Packers.....	3	5	
Clothing.....	Coat makers.....	6	13.3	
" " " " " "	Cutters.....	130	8.7	
" " " " " "	Elevator hands.....	2	7.5	
" " " " " "	Elevator hands.....	2		30
" " " " " "	Engineer.....	1	7.5	
" " " " " "	Engineer.....	1		9
" " " " " "	Examiners.....	7		17.4
" " " " " "	Fitters.....	9	7.5	
" " " " " "	Folders.....	2	20	
" " " " " "	Foreman.....	1	10	
" " " " " "	Machine hands.....	50	5	
" " " " " "	Packers.....	5	6.5	
" " " " " "	Pant makers.....	4	15	
" " " " " "	Porter.....	1	3	
" " " " " "	Pressers.....	4	7.5	
" " " " " "	Stock keepers.....	29	16.2	
" " " " " "	Stock keepers.....	15		6
" " " " " "	Tailors.....	43	11.1	
" " " " " "	Tailors.....	26		8
" " " " " "	Tailors.....	11	8.9	
" " " " " "	Vest makers.....	4	15	
Coffee, baking powder and spices.....	Baking powder makers.....	2	13	
" " " " " "	Packers.....	9	10	
" " " " " "	Porters.....	2	14	
Confectionery.....	Candy makers.....	31	9.2	
" " " " " "	Candy makers' helpers.....	49	9.1	
" " " " " "	Engineer.....	1	25	
" " " " " "	Machine hands.....	7	25	
" " " " " "	Porter.....	1	11	
Cooperage.....	Coopers.....	47	12.8	
Copper and brass goods.....	Apprentices.....	2	33	
" " " " " "	Core makers.....	7	11	
" " " " " "	Drivers.....	2	7	

TABLE IV_{cc}—MANUFACTURES—CINCINNATI—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Harness and saddlery.....	Harness makers.....	194	5.6	.....
" " "	Machine hands.....	10	40	.....
" " "	Saddle makers.....	38	2.8	.....
" " "	Blockers.....	3	10	.....
Hats, caps and furnishings..	Cap makers.....	27	6.1	.....
" " "	Cutters.....	7	11.4	.....
" " "	Machine hands.....	8	25	.....
" " "	Packer.....	1	10	.....
" " "	Suspender makers.....	2	1	.....
" " "	Trimmer.....	1	10	.....
Ice (artificial).....	Engineers.....	2	13	.....
" " "	Laborer.....	1	10	.....
" " "	Tankmen.....	5	10	.....
Inks.....	Chemists.....	2	3	.....
" " "	Engineer.....	1	3	.....
" " "	Fireman.....	1	3	.....
" " "	Foremen.....	2	3	.....
" " "	Grinders.....	8.4	3.4	.....
" " "	Oil boilers.....	3	3	.....
" " "	Watchman.....	1	3	.....
Iron (structural and architectural)	Blacksmiths.....	15	10.7	.....
" " "	Erectors.....	23	10	.....
" " "	Finishers.....	57	10.4	.....
" " "	Foremen.....	7	25	.....
" " "	Helpers.....	58	10	.....
" " "	Iron workers.....	60	15	.....
" " "	Laborers.....	107	10.3	.....
" " "	Machinists.....	8	10	.....
" " "	Mechanics.....	17	10	.....
" " "	Painters.....	3	10	.....
" " "	Setters.....	6	33	.....
" " "	Shipping clerk.....	1	10	.....
" " "	Tool maker.....	1	10	.....
Jewelry and watches.....	Case turners.....	3	10	.....
" " "	Engravers.....	14	10.7	.....
" " "	Finishers.....	2	10	.....
" " "	Jewelers.....	42	8	.....
" " "	Jointers.....	4	10	.....
" " "	Polishers.....	5	9.6	.....
" " "	Repairers.....	4	17.5	.....
" " "	Ring makers.....	3	1	.....
" " "	Setters.....	3	5	.....
" " "	Springers.....	3	10	.....
Leather and leather goods..	Bark grinders.....	30	12.2	.....
" " "	Beam house hands.....	80	12.2	.....
" " "	Blacksmiths.....	2	12.2	.....
" " "	Carpenters.....	6	12.2	.....
" " "	Curriers.....	60	12.2	.....
" " "	Door boys.....	3	12.2	.....
" " "	Drivers.....	8	12.2	.....
" " "	Engineers.....	14	12.2	.....
" " "	Hide house hands.....	10	12.2	.....
" " "	Japaners.....	170	12.2	.....
" " "	Loft hands.....	45	12.4	.....
" " "	Pipe fitters.....	5	12.2	.....
" " "	Rollers.....	19	12.2	.....
" " "	Shipping clerks.....	30	12.2	.....
" " "	Splitters.....	15	12.2	.....
" " "	Yard hands.....	60	12.2	.....
Liquors (malt).....	Apprentice.....	1	9	.....
" " "	Bottlers.....	15	26.4	.....
" " "	Carpenter.....	1	7.5	.....
" " "	Coopers.....	3	9.5	.....
" " "	Watchman.....	1	5.7	.....
Lithographing, engraving and electrotyping.	Artists.....	5	15	.....
" " "	Cutter.....	1	20	.....
" " "	Engravers.....	10	6.4	.....
" " "	Helper.....	1	50	.....
" " "	Laborers (boys).....	2	50	.....
" " "	Photographers.....	2	5	.....
" " "	Pressmen.....	4	6.5	.....
" " "	Stone grinders.....	1	25	.....

TABLE IV_{cc}—MANUFACTURES—CINCINNATI—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Machinery.....	Apprentices.....	31	10.3	.....
"	Blacksmith.....	1	10	.....
"	Boiler makers.....	3	20	.....
"	Cabinet maker.....	5	5	.....
"	Draughtsman.....	1	10	.....
"	Driver.....	1	5	.....
"	Engineers.....	3	8	.....
"	Foremen.....	2	10	.....
"	Helpers.....	11	10.7	.....
"	Laborers.....	61	8.5	.....
"	Machinists.....	272	5.3	.....
"	Millwright.....	1	10	.....
"	Molders.....	27	6.8	.....
"	Painters.....	7	5	.....
"	Pattern makers.....	2	25	.....
"	Printers.....	2	25	.....
"	Porter.....	1	20	.....
"	Sawyers.....	1	5	.....
"	Shipping clerks.....	3	5	.....
"	Timekeeper.....	1	30	.....
"	Tinner.....	1	20	.....
"	Watchman.....	1	5	.....
"	Wood workers.....	32	4.9	.....
Mattresses and pillows.....	Mattress makers.....	2	25	.....
Moldings and frames.....	Cabinet makers.....	25	5	.....
" " " "	Engineer.....	1	20	.....
" " " "	Finishers.....	4	6.2	.....
" " " "	Helpers.....	12	10.7	.....
" " " "	Joiners.....	14	13	.....
" " " "	Ornamenter.....	2	16	.....
" " " "	Packers.....	6	44	.....
" " " "	Routers.....	5	4.5	.....
" " " "	Sticklers.....	7	1	.....
" " " "	Wood workers.....	26	5	.....
Oil and grease.....	Blacksmiths.....	2	15	.....
" " " "	Coopers helpers.....	2	19	.....
" " " "	Drivers.....	40	8.3	.....
" " " "	Engineers.....	4	5	.....
" " " "	Firemen.....	4	16.7	.....
" " " "	Laborers.....	62	14.2	.....
" " " "	Press hands.....	9	5	.....
" " " "	Tankman.....	1	5	.....
" " " "	Watchman.....	1	5	.....
Paints and varnishes.....	Coopers.....	3	9	.....
" " " "	Stillmen.....	2	3.7	.....
" " " "	Tarred felt makers.....	2	2	.....
Patterns and models.....	Stampers.....	2	10	.....
Pianos and other musical instruments.....	Laborers.....	2	10	.....
" " " "	Laborers (boys).....	5	10	.....
" " " "	Piano makers.....	23	10	.....
" " " "	Piano makers (boys).....	71	10	.....
" " " "	Varnishers.....	54	10	.....
" " " "	Varnishers (boys).....	36	10	.....
Plating.....	Driver.....	1	7.8	.....
" " " "	Helper.....	1	7.8	.....
" " " "	Plater.....	1	12.5	.....
" " " "	Polisher.....	1	8	.....
Plumbing, steam & gas fitting supplies..	Laborers.....	15	20	.....
" " " "	Pipe fitters.....	40	20	.....
" " " "	Pipe fitters' helpers.....	40	20	.....
Printing and binding.....	Apprentice.....	1	16.7	.....
" " " "	Binders.....	75	5.6	.....
" " " "	Collector.....	1	25	.....
" " " "	Compositors.....	42	8.6	.....
" " " "	Cutters.....	3	10.3	.....
" " " "	Electrotypers.....	5	7	.....
" " " "	Feeders.....	35	13.1	.....
" " " "	Foreman.....	1	10	.....
" " " "	Forwarders.....	2	15	.....
" " " "	Laborers.....	37	10	.....
" " " "	Pressmen.....	20	10.2	.....
" " " "	Ruler.....	1	15	.....

TABLE IV_{cc}—MANUFACTURES—CINCINNATI—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Pumps and water wheels.....	Apprentices.....	50	5	.....
" " " "	Blacksmiths.....	4	5	.....
" " " "	Carpenters.....	18	5	.....
" " " "	Electricians.....	13	5	.....
" " " "	Engineers.....	2	5	.....
" " " "	Laborers.....	100	5	.....
" " " "	Mechanics.....	240	5	.....
" " " "	Molders.....	55	7	.....
" " " "	Pattern makers.....	20	5	.....
" " " "	Painters.....	7	5	.....
" " " "	Watchmen.....	3	5	.....
Regalia.....	Cutters.....	2	10	.....
" " " "	Designer.....	1	10	.....
Roofing (iron, steel and tin).....	Roofers.....	6	10	.....
" " " "	Tinners.....	27	5	.....
Safes, vaults and locks.....	Apprentices.....	10	5	.....
Sash, doors, lumber and interior finish..	Bench hands.....	11	7.1	.....
" " " "	Cabinet makers.....	180	8.4	.....
" " " "	Carpenters.....	3	10	.....
" " " "	Drivers.....	2	9.7	.....
" " " "	Engineers.....	37	10	.....
" " " "	Laborers.....	30	7.1	.....
" " " "	Machine hands.....	4	10	.....
" " " "	Machine helpers.....	11	10	.....
" " " "	Machinists.....	27	10	.....
" " " "	Mill hands.....	2	10	.....
" " " "	Sawyers.....	12	5	.....
Slaughtering and meat packing.....	Shipping clerks.....	101	7.3	.....
" " " "	Butchers.....	6	6.7	.....
" " " "	Drivers.....	2	18.5	.....
" " " "	Engineers.....	2	10	.....
" " " "	Firemen.....	1	10	.....
" " " "	Helpers.....	4	7	.....
" " " "	Hostlers.....	25	6.6	.....
" " " "	Laborers.....	21	5	.....
" " " "	Meat cutters.....	7	5.5	.....
" " " "	Salts.....	50	9.5	.....
" " " "	Sausage makers.....	6	15	.....
Soap, candles and tallow.....	Boilers.....	2	15	.....
" " " "	Carpenters.....	6	15	.....
" " " "	Coopers.....	21	15	.....
" " " "	Distillers.....	1	15	.....
" " " "	Engineer.....	1	15	.....
" " " "	Foreman.....	33	14.5	.....
" " " "	Laborers.....	34	15	.....
" " " "	Molders.....	11	15	.....
" " " "	Packers.....	30	15	.....
" " " "	Pressers.....	10	15	.....
" " " "	Repairers.....	1	15	.....
" " " "	Watchman.....	2	10	.....
Soda and mineral waters.....	Bottlers.....	2	2	.....
" " " "	Bottle washers.....	2	10	.....
" " " "	Drivers.....	2	10	.....
" " " "	Helpers.....	15	11.1	.....
Stone (cut, sawed and artificial).....	Cutters.....	3	9.4	.....
" " " "	Drivers.....	4	70.2	.....
" " " "	Flour hands.....	15	16.7	.....
" " " "	Helpers.....	12	12	.....
" " " "	Laborers.....	1	15	.....
Stoves, ranges and furnaces.....	Engineer.....	6	10	.....
" " " "	Laborers.....	62	5.8	.....
" " " "	Molders.....	29	12.6	.....
" " " "	Mounters.....	5	5	.....
" " " "	Polishers.....	42	11.4	.....
" " " "	Tinners.....	1	12.5	.....
Tinware, sheet iron and galvanized ironware.	Foreman.....	9	5	.....
" " " "	Helpers.....	31	11.2	.....
" " " "	Metal workers.....	9	5	.....
" " " "	Roofers.....	7	11.5	.....
" " " "	Sheet iron workers.....	30	5	.....
" " " "	Tinners.....			

TABLE IV_{cc}—MANUFACTURES—CINCINNATI—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a
Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Tools.....	Grinder.....	1	25	.....
".....	Laborers.....	22	5.1	.....
".....	Machinists.....	74	4.9	.....
".....	Pattern makers.....	2	8	.....
Trunks and valises.....	Finishers.....	48	4	.....
".....	Machine hands.....	4	5	.....
".....	Nailers.....	5	4	.....
".....	Trunk makers.....	65	8	.....
Wire rods, wire cloth and wire goods....	Apprentices.....	33	10	.....
".....	Laborers (boys).....	2	10	.....
".....	Wire workers.....	7	15	.....
Miscellaneous.....	Carpenters.....	39	7	.....
".....	Comfort makers.....	11	1	.....
".....	Designer.....	1	10	.....
".....	Engineers.....	2	16.5	.....
".....	Foremen.....	3	11	.....
".....	Gluers.....	2	10	.....
".....	Gold pen makers.....	14	5	.....
".....	Jointers.....	2	10	.....
".....	Machine hands.....	3	10	.....
".....	Machine helpers.....	5	10	.....
".....	Machinists.....	3	13	.....
".....	Mechanics.....	3	13	.....
".....	Paper cutters.....	8	.....	20
".....	Rubber turners.....	12	10	.....
Totals and averages.....	.....	7,386	9.5	.....
		87	.....	10

TABLE IV^{cc}—MANUFACTURES—CINCINNATI—Concluded.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Female.	Number of employees.	Advanced per cent.	Reduced per cent.
Bags (paper and burlap).....	Machine hands.....	4	5	.....
" " " ".....	Press hands.....	3	10	.....
" " " ".....	Seamstresses.....	10	18	.....
Billiard tables, bar and store fixtures....	Casing cleaners.....	2	5	.....
Boots and shoes.....	Bottomer.....	1	5	.....
" " " ".....	Cutters.....	5	5	.....
" " " ".....	Fitters.....	70	5	.....
" " " ".....	Packers.....	4	5	.....
Boxes (paper).....	Box makers.....	60	7.5	.....
" " " ".....	Helpers.....	25	20	.....
Boxes (wooden).....	Pasters.....	11	10	.....
Bread and other bakery products.....	Clerks.....	171	10	.....
" " " ".....	Helpers.....	10	18	.....
Carriages and wagons.....	Wrappers.....	18	6.2	.....
Cigars.....	Trimmers.....	4	5	.....
Clothing.....	Strippers.....	7	20	.....
" " " ".....	Coat makers.....	4	15	.....
" " " ".....	Examiners.....	2	.....	5
" " " ".....	Folders.....	9	13.1	.....
" " " ".....	Foreladies.....	3	13.3	.....
" " " ".....	Machine hands.....	50	5	.....
" " " ".....	Pant makers.....	4	15	.....
" " " ".....	Seamstresses.....	63	5.4	.....
" " " ".....	Shirt makers.....	42	6.8	.....
" " " ".....	Tailoresses.....	65	6.2	.....
" " " ".....	Vest makers.....	4	15	.....
Coffee, baking powder and spices.....	Baking powder makers.....	14	10	.....
" " " ".....	Extract makers.....	3	10	.....
Confectionery.....	Dippers.....	17	5	.....
" " " ".....	Laborers.....	53	10	.....
" " " ".....	Packers.....	16	10	.....
" " " ".....	Wrappers.....	10	5	.....
Copper and brass goods.....	Burnishers.....	4	4	.....
" " " ".....	Helpers.....	2	16	.....
" " " ".....	Lacquerers.....	12	8.5	.....
" " " ".....	Wrappers.....	12	7	.....
Drugs, chemicals and druggists' sundries	Laborer.....	1	14	.....
Extracts, toilet articles and perfumery..	Bottlers.....	4	10	.....
Harness and saddlery.....	Machine hands.....	2	20	.....
Hats, caps and furnishings.....	Apprentices.....	4	10	.....
" " " ".....	Cap makers.....	75	5	.....
" " " ".....	Finishers.....	7	6	.....
" " " ".....	Machine hands.....	26	6.7	.....
" " " ".....	Seamstresses.....	12	5	.....
" " " ".....	Suspender makers.....	7	3	.....
Jewelry and watches.....	Polishers.....	3	10	.....
Lithographing, engraving and electrotyping.	Forelady.....	1	.....	25
" " " ".....	Laborers.....	15	20	.....
Patterns and models.....	Stampers.....	2	10	.....
Printing and binding.....	Binders.....	6	5.4	.....
" " " ".....	Folders.....	2	10	.....
" " " ".....	Pouch makers.....	13	10	.....
" " " ".....	Press feeders.....	5	7	.....
" " " ".....	Sewers.....	2	10	.....
Regalia.....	Cutters.....	12	10	.....
Soap, candles and tallow.....	Forelady.....	1	15	.....
" " " ".....	Molders.....	24	15	.....
" " " ".....	Packers.....	38	15	.....
" " " ".....	Wrappers.....	10	25	.....
Trunks and valises.....	Finishers.....	4	3	.....
Miscellaneous.....	Cotton pad makers.....	6	3	.....
" " " ".....	Rubber turners.....	3	10	.....
Totals and averages.....		1,079	8.8	.....
		3	.....	11.7

TABLE IVd—MANUFACTURES—DAYTON.

ADVERTISING NOVELTIES AND SIGNS—2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Artists	5	306	\$2 30	\$703 80	9
Cutters	2	306	1 50	459 80	10
Engineer	1	306	2 50	765 00	12
Engravers	3	306	1 80	550 80	9
Feeders	6	306	1 08	330 48	10
Foreman	1	306	3 67	1,123 02	10
Laborers	14	301	1 00	301 00	9.2
Laborers (boys)	12	300	50	150 00	9
Lithograph transferer	1	306	1 16	354 96	9
Pressmen	7	302	2 23	673 46	9.4
Shipper	1	306	1 33	406 98	10
Watchmen	2	306	1 50	459 00	12

AGRICULTURAL IMPLEMENTS—4 ESTABLISHMENTS.

Assemblers	18	275	1 45	398 75	10
Blacksmiths	9	283	2 10	594 30	10
Coremakers	7	278	2 03	564 34	10
Driller	1	300	1 00	300 00	10
Engineers	2	278	3 12	867 36	10
Grinder	1	300	2 25	675 00	10
Helpers	4	301	1 50	451 50	10
Hostlers	3	280	1 85	518 00	10
Laborers	191	278	1 46	405 88	10
Machinists	2	275	2 00	550 00	10
Molders	43	278	2 65	736 70	10
Painters	13	278	1 67	464 26	10
Pattern makers	4	277	2 62	725 74	10
Shave-maker	1	300	2 35	705 00	10
Shop clerks and inspectors	2	275	1 75	481 25	10
Steel workers	31	275	1 63	448 25	10
Stock clerk	1	300	1 65	495 00	10
Tool makers	3	275	2 20	605 00	10
Warehouse men	5	280	2 10	588 00	10
Wood workers	19	279	1 76	491 04	10

AWNINGS, TENTS AND FLAGS—2 ESTABLISHMENTS.

Awning hanger	1	200	1 35	270 00	9
Blacksmith	1	272	1 50	408 00	10
Laborers	2	272	1 50	408 00	10

BOILERS, ENGINES AND TANKS—6 ESTABLISHMENTS.

Apprentices	8	310	1 25	387 50	10
Blacksmiths	36	302	1 82	549 64	10
Boiler makers	182	302	1 82	549 64	10
Carpenters	8	303	1 84	557 52	10
Draughtsmen	1	310	75	232 50	10
Engineers	2	308	1 87	575 96	10
Fireman	1	307	1 90	583 30	10
Flanger	1	307	2 50	767 50	10
Helpers	58	307	1 65	506 55	10
Layer-out	1	307	4 94	1,516 58	10
Machinists	84	305	2 54	774 70	9.9
Machine hands	4	307	2 54	779 78	10
Molders	9	310	2 90	899 00	10
Molders and helpers	88	302	2 10	634 20	10
Painter	1	310	2 25	697 50	10
Pattern makers	9	303	2 63	796 89	10
Plumber	1	310	2 00	620 00	10
Rivet heaters	3	307	1 37	420 59	10
Sheet iron workers	16	302	1 98	597 56	10
Shipping clerk	1	310	1 75	542 50	10
Teamsters	5	302	1 50	453 00	10
Yardmen	10	302	1 60	483 20	10

TABLE IVd—MANUFACTURES—DAYTON—Continued.

BOXES (PAPER)—5 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Box pressman	2	290	\$1 55	\$449 50	9
Coaters	9	290	75	217 50	9
Compositors	30	301	1 41	424 41	10
Cutters	30	298	1 97	587 06	10
Die maker	1	274	3 00	822 00	10
Engraver	1	274	2 75	753 50	10
Finishers	7	304	1 54	468 16	10
Foremen	4	287	2 81	806 47	10
Glue and packers	8	300	94	282 00	10
Laborers (boys)	7	274	90	246 60	10
Machinists	5	283	1 50	424 50	9.4
Pail makers	14	274	1 65	452 10	10
Packers	3	290	1 65	478 50	9
Pressmen	16	275	1 69	464 75	10
Shipper	1	274	4 00	1,096 00	10
Time keeper	1	274	1 90	520 60	10
Truckers	2	274	1 55	424 70	10
Tyers	15	300	1 50	450 00	10
Watchman	1	274	1 10	301 40	10
Wrappers	2	274	2 75	753 50	10

BOXES (WOODEN)—4 ESTABLISHMENTS.

Box makers	7	210	1 50	315 00	10
Box nailers	21	306	1 70	520 20	10
Engineer	1	306	2 50	765 00	10
Filer	1	306	2 50	765 00	10
Foremen	2	306	2 00	612 00	10
Laborers	22	306	1 11	339 66	10
Laborers (boys)	16	306	75	229 50	10
Machine hands	27	300	1 37	411 00	8
Pasters	28	300	75	225 00	8
Sawyers	11	306	1 72	526 32	10
Teamsters	7	306	1 50	459 00	10
Trimmers	3	306	1 50	459 00	10
Watchman	1	306	1 35	413 10	10

BREAD AND OTHER BAKERY PRODUCTS—6 ESTABLISHMENTS.

Bakers	21	299	2 11	630 89	9.9
Bakers' helpers	12	300	1 65	495 00	9
Coopers	2	296	1 87	553 52	10
Cracker department hands	18	296	1 67	494 32	10
Engineers	3	297	2 30	683 10	10
Laborers	5	300	1 75	525 00	10
Hostlers	2	296	1 28	378 88	10
Packers	2	296	1 75	518 00	10
Porters	4	296	1 75	518 00	10
Pretzel rollers	2	296	1 00	296 00	10
Teamsters	5	296	1 88	556 48	10
Watchmen	2	300	2 00	600 00	10

BRICK AND TILE—5 ESTABLISHMENTS.

Brick makers	42	145	1 87	271 15	9.6
Engineers	2	123	1 88	231 24	9
Foreman	1	140	3 00	420 00	10
Laborers	35	113	1 58	178 54	8.3
Laborers (boys)	2	147	75	108 25	10
Molder	1	128	3 75	480 00	10
Mud wheeler	1	128	2 25	288 00	10
Off bearer	1	128	2 00	256 00	10
Teamsters	7	140	1 80	252 00	10
Temperer	1	128	2 00	256 00	10

TABLE IVd—MANUFACTURES—DAYTON—Continued.

BROOMS AND BRUSHES—3 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Broom makers.....	2	275	\$2 75	\$756 25	9
Brush makers.....	6	281	1 90	533 90	8.8

CARRIAGES AND WAGONS—9 ESTABLISHMENTS.

Assemblers and shippers.....	10	275	1 75	481 25	9
Automobile repairer.....	3	308	3 00	924 00	12
Benders.....	2	250	1 84	460 00	10
Blacksmiths.....	22	297	2 37	703 89	9.6
Blacksmiths' apprentice.....	1	312	1 40	436 80	10
Blacksmiths' helpers.....	3	304	1 55	471 20	10
Buncher.....	1	250	2 25	562 50	10
Engineer.....	1	250	2 33	582 50	10
Helpers.....	23	276	1 73	477 48	10
Laborers.....	4	300	1 50	450 00	10
Nailers.....	2	250	67	167 50	10
Off bearers.....	2	250	1 50	375 00	10
Packer.....	1	250	2 00	500 00	10
Painters.....	46	295	2 03	598 85	9.9
Planer.....	1	250	2 33	582 50	10
Sawyers.....	2	250	1 84	460 00	10
Teamster.....	1	250	1 67	417 50	10
Trimmers.....	22	284	2 05	582 20	9.9
Wagon maker.....	1	300	2 50	750 00	10
Wood workers.....	23	292	2 41	703 52	9

CARRIAGE AND WAGON MATERIALS—3 ESTABLISHMENTS.

Blacksmiths.....	3	284	2 25	639 00	10
Blacksmiths' helpers.....	3	284	1 75	497 00	10
Engineers.....	2	285	2 25	641 25	10
Firemen.....	2	285	1 70	484 50	10
Hub mortisers.....	4	290	1 75	507 50	10
Hub turners.....	3	290	1 75	507 50	10
Laborers.....	55	284	1 40	397 60	10
Laborers (boys).....	22	289	1 00	289 00	10
Machinists.....	3	284	2 25	639 00	10
Machine hands.....	16	290	1 75	507 50	10
Millwrights.....	2	290	2 25	652 50	10
Rim drivers.....	4	290	1 75	507 50	10
Rim markers.....	2	290	1 75	507 50	10
Rim polishers.....	4	290	1 67	484 30	10
Selectors.....	7	290	1 86	539 40	10
Spoke belters.....	9	290	1 75	507 50	10
Spoke drivers.....	5	290	2 00	580 00	10
Spoke turners.....	4	290	2 00	580 00	10
Teamsters.....	3	290	1 67	484 30	10
Watchmen.....	2	285	1 70	484 50	10
Wheel makers.....	45	280	1 75	490 00	10

CIGARS—18 ESTABLISHMENTS.

Bunch breakers.....	10	300	2 02	606 00	8.6
Bunch makers.....	12	272	1 80	489 60	9.2
Casers.....	11	287	1 54	441 98	9.1
Cigar makers.....	93	285	2 02	575 70	8.6
Foremen.....	8	297	2 90	861 30	10
Handlers.....	2	290	1 40	406 00	10
Labelers.....	3	297	75	222 75	10
Laborers.....	5	296	2 00	592 00	10
Laborers (boys).....	2	296	1 18	349 28	9
Packers.....	8	281	2 22	623 82	9
Rollers.....	29	299	1 54	460 46	9.8
Shipping clerk.....	1	297	1 25	371 25	10
Strippers.....	1	218	60	130 80	10
Sorters.....	2	297	1 25	371 25	10
Watchman.....	1	297	1 50	445 50	10

TABLE IVd—MANUFACTURES—DAYTON—Continued.

CLOTHING—22 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bushelman.....	1	307	\$2 50	\$767 50	10
Coat makers.....	55	252	2 47	622 44	9.9
Cutters.....	7	287	3 73	1,070 51	9.5
Cutters and makers.....	10	300	1 88	564 00	9
Errand boy.....	1	107	60	184 20	10
Helper.....	1	300	1 00	300 00	10
Janitor.....	1	245	1 00	245 00	8
Laborers.....	2	300	1 50	450 00	9.5
Pressers.....	2	300	1 50	450 00	9.5
Stockmen and shippers.....	2	300	2 00	600 00	9.5
Tailors.....	11	254	2 86	726 44	10
Trouser makers.....	19	256	2 37	606 72	9.8
Vest makers.....	4	307	2 00	614 00	10
Watchman.....	1	245	50	122 50	12

COFFEE, BAKING POWDER AND SPICES—3 ESTABLISHMENTS.

Box makers.....	2	300	1 50	450 00	10
Can makers.....	4	300	1 75	525 00	10
Coffee roasters.....	6	302	2 20	664 40	10
Coffee roaster's helper.....	1	300	1 75	525 00	10
Elevator men.....	1	300	1 65	495 00	10
Engineers.....	3	302	2 29	691 58	10
Packers.....	7	300	1 80	540 00	10
Porters.....	10	301	1 50	451 50	10
Shipping clerk.....	1	306	2 50	765 00	10
Teamsters.....	2	303	1 87	566 61	10
Watchman.....	1	300	1 50	450 00	12

CONFECTIONERY—2 ESTABLISHMENTS.

Helpers.....	2	300	1 60	180 00	9
Laborers.....	3	365	1 39	507 35	10

DAIRY PRODUCTS—2 ESTABLISHMENTS.

Drivers.....	19	365	1 56	569 40	7
Laborers.....	27	365	1 48	540 20	9

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—2 ESTABLISHMENTS.

Bottlers.....	2	269	2 00	538 00	10
Bottler washer.....	1	309	1 50	463 50	10
Laborers.....	2	309	50	154 50	8
Packer.....	1	309	1 70	525 30	10
Printer.....	1	309	1 50	463 50	10

ELECTRICAL GOODS AND SUPPLIES—4 ESTABLISHMENTS.

Apprentices.....	5	279	1 28	357 12	10
Assembler.....	1	279	2 00	558 00	10
Blacksmith.....	1	279	2 00	558 00	10
Blacksmith's helper.....	1	279	1 60	446 40	10
Carpenter.....	1	279	2 00	558 00	10
Draughtsmen.....	4	285	2 56	729 60	9.5
Drill-press hands.....	2	279	1 50	418 50	10
Electricians.....	10	279	2 30	641 70	10
Laborers.....	7	279	1 67	465 93	10
Machinists.....	67	301	1 72	517 72	9.2
Painter.....	1	297	2 00	594 00	10
Pattern makers.....	4	297	2 60	772 20	10
Press hands.....	2	297	1 90	564 30	10
Tool maker.....	1	297	3 33	989 01	10

TABLE IVd—MANUFACTURES—DAYTON—Continued.

EXTRACTS, TOILET ARTICLES AND PERFUMERY—2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bottler	1	300	\$2 25	\$675 00	9
Bottle washers	2	300	1 40	420 00	9
Extract department hands	3	300	2 00	600 00	10
Laborer	1	300	1 25	375 00	9
Miscellaneous laborer	3	300	3 00	900 00	10
Printing department hands	2	300	3 75	1,125 00	10
Porter (boy)	1	300	1 00	300 00	9

FLOURING MILL PRODUCTS—4 ESTABLISHMENTS.

Engineers	4	252	2 37	597 24	12
Floor hands	8	300	1 90	570 00	10
Laborers	13	272	1 67	454 24	10
Millers	9	277	2 53	700 81	12
Packers	5	261	1 79	467 19	11.4
Teamsters	8	302	1 89	570 78	10

FOUNDRY AND MACHINE SHOP PRODUCTS—20 ESTABLISHMENTS.

Annealers	70	306	1 40	428 40	10
Apprentices	5	306	79	241 74	10
Assemblers	562	273	2 48	677 04	10
Assemblers and sealers	35	320	2 15	688 00	10
Bench hands	42	316	1 81	571 96	10
Blacksmiths	92	307	2 30	706 10	10
Blacksmiths' helpers	104	307	1 55	475 85	10
Buffers	4	320	2 50	800 00	10
Cabinet makers	118	307	2 20	675 40	10
Carpenters	532	296	2 38	704 48	10
Carpenters and wood workers	5	320	2 25	720 00	10
Carver	1	307	3 00	921 00	10
Casting cleaners	17	306	1 60	489 60	9.8
Chippers	10	305	1 65	503 25	10
Coremakers	120	303	1 89	572 67	9.9
Cupola tender	3	292	2 30	671 60	10
Die maker	1	320	3 25	1,040 00	10
Draughtsmen	12	307	2 55	782 85	9.9
Drill-press hands	25	317	1 42	450 14	10
Electricians	4	307	2 00	614 00	10
Engineer	4	307	2 64	810 48	10
Filers	3	320	2 31	739 20	10
Foremen	44	312	3 73	1,163 76	10
Furnace tender	2	313	2 17	679 21	9.2
Grinders	15	320	2 25	720 00	10
Helpers	2	306	2 00	612 00	10
Inspectors	175	274	1 93	528 82	9.5
Laborers	549	306	1 48	452 88	9.8
Lathe hands	6	320	1 81	579 20	10
Machine boys	14	300	1 27	381 00	10
Machine hands	227	307	1 66	509 62	10
Machinists	910	282	2 33	600 66	9.7
Maintenance hands	141	273	2 32	633 36	9.5
Marquetry men	13	307	2 40	736 80	10
Melter	1	308	2 15	662 20	10
Milling machine hands	13	320	1 55	496 00	10
Millwrights	16	307	2 30	706 10	10
Miscellaneous	215	273	2 01	548 73	9.5
Molders	727	299	2 34	699 66	9.9
Molder's helpers	65	307	1 50	460 50	10
Packers and shippers	9	320	1 75	560 00	10
Painters	223	278	1 89	525 42	9.8
Pattern makers	44	306	2 33	712 98	10
Pipe fitters	40	307	2 00	614 00	10
Platers	87	274	2 35	643 90	9.5
Polishers	4	310	2 18	675 80	10
Polishers and buffers	90	279	3 62	1,009 98	9.5
Painters and binders	80	273	2 11	576 03	10

TABLE IVd—MANUFACTURES—DAYTON—Continued.

FOUNDRY AND MACHINE SHOP PRODUCTS—20 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Punch machine hands	6	320	\$1 87	\$598 40	10
Repairer	1	280	2 25	630 00	10
Screw makers	103	276	2 56	706 56	9.7
Shippers	92	306	1 37	419 22	10
Spinners	3	320	2 50	800 00	10
Teamster	1	312	1 50	468 00	10
Tinners	40	307	2 15	660 05	10
Tool makers	18	310	3 12	967 20	10
Tool and pattern makers	226	273	3 16	862 68	9.5
Trimmers	65	306	1 30	397 80	10
Truck builders	45	307	1 90	583 30	10
Watchmen	4	309	1 59	491 31	10.6
Upholsterers	51	307	1 85	567 95	10

FURNITURE—6 ESTABLISHMENTS.

Apprentice and helpers	17	297	76	225 72	10
Bench hands	4	300	2 25	675 00	10
Cabinet makers	51	303	2 10	636 30	10
Carvers	14	354	2 25	796 50	10
Decorators	2	180	1 25	225 00	7
Draughtsmen	3	310	2 65	821 50	10
Engineers	5	301	2 58	776 58	10
Finishers	121	339	2 44	827 16	10
Laborers	18	301	1 12	337 12	10
Lumbermen	5	300	1 50	450 00	10
Machine hands	96	323	1 84	594 32	10
Packers	34	325	1 17	380 25	10
Planers	6	300	1 50	450 00	10
Sanders	38	354	1 50	531 00	10
Sawyers	5	300	1 50	450 00	10
Stoolers	28	354	3 00	1,062 00	10
Teamsters	7	281	1 34	376 54	10
Upholsters	9	349	2 50	974 50	10
Watchmen	2	305	1 80	549 00	10

GLASS AND GLASSWARE—2 ESTABLISHMENTS.

Bevelers	2	300	2 00	600 00	10
Cementers	2	300	1 00	300 00	10
Cutters	4	300	1 82	546 00	10
Laborers (boys)	2	300	1 00	300 00	10
Lead glaziers	5	300	1 70	510 00	10

HARNESS AND SADDLERY—2 ESTABLISHMENTS.

Finishers	2	300	1 50	450 00	10
Harness makers	8	300	1 66	498 00	8
Laborer	1	300	50	150 00	10
Leather workers	4	300	1 66	498 00	8
Stuffer (boy)	1	300	75	225 00	10

IRON (STRUCTURAL AND ARCHITECTURAL)—2 ESTABLISHMENTS.

Blacksmiths	3	300	1 33	399 00	10
Iron workers	18	300	1 63	489 00	10
Machinists	10	300	1 33	399 00	10

LIQUORS (MALT)—7 ESTABLISHMENTS.

Bottlers	14	310	1 71	530 10	9.4
Bottle washer	1	306	5 75	229 50	9
Brewmaster	3	309	5 53	1,708 77	9.5
Brewers	23	308	2 54	782 32	9.4
Cellarmen	9	311	2 60	858 60	8.7
Drivers	25	309	2 56	791 04	8.2
Drivers' helpers	16	309	2 89	893 01	9.8

TABLE IVd—MANUFACTURES—DAYTON—Continued.

LIQUORS (MALT)—7 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Engineers.....	12	231	\$2 92	\$674 52	11.2
Firemen.....	10	309	2 46	760 14	11.3
Helpers.....	4	309	1 82	562 38	9.7
Hostlers.....	5	310	2 13	660 30	10
Ice pullers.....	4	311	1 77	550 47	9.7
Ice wagon drivers.....	4	313	1 83	572 79	9.5
Ice wagon drivers' helpers.....	3	313	1 67	522 71	8.7
Kettlemen.....	3	312	2 75	858 00	10.4
Laborers.....	17	306	1 97	602 82	9
Maltster.....	1	306	2 50	765 00	9.8
Millwright.....	1	306	2 25	688 50	10.8
Washhouse men.....	8	311	2 35	730 85	
Watchmen.....	3	311	2 51	780 61	

MACHINERY—12 ESTABLISHMENTS.

Apprentices.....	99	319	1 09	347 71	9.6
Assemblers.....	252	306	1 75	535 50	10
Bench hands.....	13	309	1 65	509 85	8
Blacksmiths.....	23	312	2 36	736 32	9.3
Blacksmiths' helpers.....	13	305	1 65	503 25	9.9
Boiler makers.....	38	308	2 29	705 32	10
Buffers.....	10	306	3 00	918 00	10
Carpenters.....	26	296	2 25	666 00	9.9
Coremakers.....	99	308	2 39	736 12	9.9
Cranemen.....	12	308	1 91	588 28	10
Cupola tender.....	2	308	2 75	847 00	9
Draughtsmen.....	34	307	2 73	838 11	8.8
Drill-press operator.....	1	309	1 75	540 75	10
Electricians.....	6	308	2 04	628 32	10
Engineers.....	11	308	2 45	754 60	10
Filers.....	52	306	2 00	612 00	10
Firemen.....	7	308	1 66	511 28	10
Foremen.....	4	306	4 25	1,300 50	10
Furnace tender.....	2	309	2 00	618 00	8
Grinders.....	3	308	2 16	665 28	10
Laborers.....	831	312	2 54	792 48	9.9
Lathe hands.....	74	315	2 25	708 75	10
Machine hands.....	20	293	1 62	474 66	9
Machinists.....	598	317	2 32	735 44	9.9
Machinists and helpers.....	2	306	1 85	566 10	10
Millwrights.....	8	306	2 71	829 26	10
Monitor hands.....	3	309	2 35	726 15	10
Molders.....	253	306	2 85	872 10	10
Painters.....	12	307	1 87	574 09	10
Pattern makers.....	50	313	2 94	920 22	9.9
Pipe fitters.....	11	308	2 26	696 08	10
Planer hands.....	14	335	2 35	787 25	10
Polishers.....	39	306	3 35	1,025 10	10
Screw makers.....	57	306	2 50	765 00	10
Sewing room hands.....	6	306	2 25	688 50	10
Shipping clerks.....	13	304	2 21	671 84	9.9
Shop clerks.....	2	306	2 00	612 00	10
Tool makers.....	22	308	3 20	985 60	10
Warehouse employes.....	263	306	1 75	535 50	10
Watchmen.....	8	308	1 69	520 52	10
Wood workers.....	28	305	1 96	597 80	10

MATTRESSES AND PILLOWS—2 ESTABLISHMENTS.

Bailers.....	2	265	1 25	331 25	10
Engineer.....	1	250	2 50	625 00	10
Felt machine operators.....	4	250	2 00	500 00	10
Fillers.....	4	265	1 75	463 75	10
Finishers.....	10	256	2 00	512 00	10
Teamster.....	1	250	1 50	375 00	10

TABLE IVd—MANUFACTURES—DAYTON—Continued.

PAINTS AND VARNISHES—4 ESTABLISHMENTS.

Occupation — male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Cooper	1	306	\$1 75	\$335 50	10
Engineer	1	295	2 50	737 50	9
Helpers	7	306	1 67	511 02	9
Laborers	2	306	1 70	520 20	10
Paint grinders	48	295	2 25	663 75	9
Varnish makers	6	301	1 86	559 86	9
Watchman	1	295	1 75	516 25	9

PATTERNS AND MODELS—2 ESTABLISHMENTS.

Apprentices	4	300	75	225 00	10
Engineer	1	300	2 25	675 00	10
Machinists	3	300	2 75	825 00	10
Pattern makers	6	300	2 52	756 00	9.3
Watchman	1	300	1 80	540 00	12

PRINTING AND BINDING—20 ESTABLISHMENTS.

Apprentices	10	303	1 29	390 87	9.2
Binders	31	301	1 96	589 96	9.4
Binders' helper	1	300	1 50	450 00	9.5
Blank book department hands	17	290	2 00	580 00	10
Clerks	5	310	2 50	775 00	9
Compositors	68	306	2 33	712 98	9
Cutters	8	292	1 74	508 08	10
Electrotypers	10	310	1 40	434 00	9
Engineers	2	306	2 29	700 74	9.2
Engineers and helpers	4	310	2 50	775 00	10
Errand boys	10	303	56	169 68	9.5
Foremen	1	300	2 25	675 00	9.5
Laborer	1	312	1 17	365 04	9
Linotype operators	11	308	3 15	970 20	8
Lithograph engravers	2	300	3 50	1,050 00	8
Lithograph feeders	3	300	1 00	300 00	9.5
Lithograph pressmen	2	300	3 00	900 00	9.5
Lithograph stone polisher	1	300	1 25	375 00	9.5
Lithograph transferers	2	300	3 00	900 00	9.5
Machine hands	3	300	1 25	375 00	9.5
Machinists	4	312	2 50	780 00	9
Machinist's helper	1	312	1 66	517 92	9
Photo engraving department hands	22	310	1 85	573 50	9
Porter	1	307	1 50	460 50	9
Press feeders	42	276	98	270 48	9.4
Pressmen	24	301	2 19	659 19	9.3
Proof reader	1	310	2 50	775 00	8
Rulers	18	291	1 80	523 80	9.9
Shipping department hands	9	292	1 55	452 60	9.8
Solicitors	2	312	1 42	443 04	9
Tablet department hands	10	290	1 00	290 00	10

SASH, DOORS, LUMBER AND INTERIOR FINISH—5 ESTABLISHMENTS.

Carpenters	195	304	2 47	750 88	9
Carver	1	309	3 25	1,004 25	9
Cut-off men	1	256	1 50	384 00	10
Edgers	2	256	1 75	448 00	10
Engineers	2	305	2 67	814 35	10
Errand boys	2	300	83	249 00	9
Filer	1	256	2 00	512 00	10
Firemen	1	256	2 00	512 00	10
Glazier and painter	1	309	1 66	512 94	9
Laborers	25	300	1 60	480 00	9
Laborers (boys)	7	300	1 00	300 00	9
Log deck	1	256	1 50	384 00	10
Machine hands	83	302	2 35	709 70	9
Mechanics	40	300	2 60	780 00	10

TABLE IVd—MANUFACTURES—DAYTON—Continued.

SASH, DOORS, LUMBER AND INTERIOR FINISH—5 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Off bearer.....	1	256	\$1 50	\$384 00	10
Painters.....	2	300	2 00	600 00	9
Sawyers.....	2	256	1 67	427 52	10
Setter.....	1	256	1 50	384 00	10
Teamsters.....	7	290	1 71	495 90	9
Watchmen.....	1	300	2 00	600 00	12
Wood turners.....	5	300	2 40	720 00	9

SLAUGHTERING AND MEAT PACKING—2 ESTABLISHMENTS.

Butchers.....	47	296	1 86	550 56	10
Drivers.....	7	300	1 95	585 00	10
Engineers.....	2	300	2 75	825 00	12
Firemen.....	2	300	1 75	525 00	12
Laborers.....	16	300	1 65	495 00	10
Night men.....	3	300	1 90	570 00	12
Packer.....	1	300	2 00	600 00	10
Sausage maker.....	7	300	2 20	660 00	10
Watchman.....	1	300	1 75	525 00	12

SOAP, CANDLES AND TALLOW—6 ESTABLISHMENTS.

Carpenter.....	1	299	2 35	702 65	10
Cutters.....	2	298	2 06	613 88	10
Engineer.....	1	299	3 00	897 00	10
Fireman.....	1	299	1 75	523 25	10
Helper.....	1	287	1 63	467 81	10
Laborers.....	63	302	1 62	489 24	10
Machine men.....	2	295	1 75	516 25	10
Mailer.....	1	299	2 50	747 50	8.5
Packer.....	1	287	1 63	467 81	10
Soap boiler.....	1	295	3 00	885 00	10
Soap makers.....	12	301	1 85	556 85	10
Soap pressers.....	4	291	1 72	500 52	10
Soap pressers' assistant.....	1	306	1 50	459 00	10

SODA AND MINERAL WATERS—3 ESTABLISHMENTS.

Bottlers.....	2	308	2 08	640 64	8
Bottle washers.....	2	308	1 50	462 00	8
Drivers.....	2	276	2 00	552 00	8
Laborer.....	1	313	1 35	422 55	10
Mixer.....	1	276	2 50	690 00	8
Teamsters.....	3	308	2 58	794 64	9

STOVES, RANGES AND FURNACES—4 ESTABLISHMENTS.

Assemblers.....	16	284	1 35	383 40	10
Carpenters.....	2	247	2 87	708 89	10
Coremakers.....	1	210	3 50	735 00	10
Craters.....	8	284	1 32	374 88	10
Furnace setters.....	2	300	2 00	600 00	10
Engineers.....	2	247	2 50	617 50	10
Laborers.....	72	251	1 53	384 03	10
Machine hands.....	9	284	1 60	454 40	10
Machinists.....	6	222	2 29	508 38	10
Molders.....	60	242	3 20	774 40	9.2
Mounters.....	40	250	3 00	750 00	10
Painters.....	6	284	1 38	391 92	10
Pattern makers.....	2	284	2 75	781 00	10
Press hands.....	5	284	1 80	511 20	10
Tinsmiths.....	8	286	2 10	600 60	10
Tool makers.....	3	284	2 60	738 40	10
Watchman.....	1	210	1 75	367 50	12

TABLE IVd—MANUFACTURES—DAYTON—Continued.

STRAW-BOARDS AND PAPER—5 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Back tenders.....	12	290	\$1 55	\$449 50	10 8
Beatermen.....	18	254	1 92	487 68	10 4
Beatermen's helpers.....	19	271	1 50	406 50	10 4
Calendermen.....	5	276	1 75	483 70	11 3
Calendermen's helper.....	1	300	1 50	450 00	10
Cutters (boys).....	6	232	1 00	232 00	10
Draymen.....	3	270	1 75	472 50	12
Engineers.....	10	262	2 40	628 80	10 4
Finishers.....	9	287	1 90	545 30	10 6
Firemen.....	6	267	1 71	456 57	10 4
Foremen.....	3	293	2 11	618 23	10
Helpers.....	4	300	1 16	348 00	10
Laborers.....	95	247	1 50	370 50	10
Laborers (boys).....	15	280	1 08	302 40	10
Machine tenders.....	18	274	2 37	649 38	10 4
Machine tenders (binders).....	10	232	1 67	387 44	10
Millwrights.....	4	280	2 62	733 60	11
Oiler.....	1	300	1 50	450 00	10
Ruler.....	1	300	2 50	750 00	10
Shipping clerk.....	1	270	2 50	675 00	12
Size maker.....	1	300	1 50	450 00	10
Teamster.....	1	280	1 50	420 00	10
Watchman.....	1	270	1 75	472 50	12
Winders.....	2	270	1 25	337 50	12

TIN-WARE, SHEET-IRON AND GALVANIZED IRONWARE—3 ESTABLISHMENTS.

Cornice makers.....	12	302	2 75	830 50	9 2
Helpers.....	4	276	2 00	552 00	9 5
Slate roofers.....	6	304	2 50	760 00	9 5
Teamsters.....	2	250	1 50	375 00	9
Tinners.....	28	281	2 27	637 87	9

TOBACCO (CHEWING AND SMOKING—4 ESTABLISHMENTS.

Casers.....	5	282	1 84	518 88	9 8
Cutter.....	1	260	1 80	468 00	9
Dryer.....	1	260	1 80	468 00	9
Engineer.....	1	260	2 00	520 00	10
Foreman.....	1	230	2 00	460 00	9 5
Hostlers.....	5	308	1 83	563 64	10
Laborers.....	17	245	1 73	423 85	10
Laborers (boys).....	4	230	1 75	172 50	10
Packers.....	9	290	1 79	519 10	10
Rehandlers.....	34	308	1 50	462 00	10

TOOLS—5 ESTABLISHMENTS.

Apprentices.....	4	303	80	242 40	10
Blacksmiths.....	2	302	2 12	640 24	10
Engineer.....	1	304	2 25	684 00	10
Fireman.....	1	304	1 50	456 00	10
Forgers.....	6	304	2 00	608 00	10
Grinders.....	13	304	2 25	684 00	10
Laborers.....	5	304	1 50	456 00	10
Machinists.....	11	303	2 18	660 54	10
Polisher.....	1	304	1 75	532 00	10
Temperers.....	5	304	2 00	608 00	10
Toolsmith.....	2	300	1 84	552 00	9
Vise-hands.....	2	304	1 75	532 00	10

MISCELLANEOUS—25 ESTABLISHMENTS.

Basket makers.....	5	300	1 50	450 00	10
Boiler cleaner.....	1	365	1 75	638 75	10
Bowling implement makers.....	11	300	2 20	660 00	10

TABLE IVd—MANUFACTURES—DAYTON—Continued.

MISCELLANEOUS—25 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Brass finishers.....	2	280	\$2 25	\$ 630 00	10
Buffers.....	2	280	2 62	733 60	10
Cellarmen.....	3	300	1 87	561 00	12
Cement finishers.....	5	280	2 95	826 00	10
Coopers.....	3	300	1 80	540 00	8
Cutters.....	7	310	1 83	257 30	10
Drivers and helpers.....	24	300	1 75	525 00	10
Dynamo tender.....	1	365	1 98	732 70	10
Electricians.....	3	365	2 54	927 10	10
Engineers.....	7	320	2 40	768 00	11.1
Expense hands.....	13	308	1 70	523 60	10
Engravers.....	13	310	1 52	471 20	10
Finishers.....	53	308	2 20	677 60	10
Firemen.....	6	333	1 82	606 06	12
Foreman.....	1	280	3 50	980 00	10
Golf stick makers.....	18	300	2 17	651 00	10
Helpers.....	16	309	1 50	463 50	9.2
Hostlers.....	2	300	1 83	549 00	12
Ice pullers.....	4	300	1 75	525 00	12
Laborers.....	78	293	1 61	471 73	9.8
Last makers.....	140	300	1 94	582 00	10
Machine hands.....	6	302	1 34	404 68	10
Machine hands' helpers.....	3	300	1 15	345 00	10
Machinists.....	6	303	2 98	902 94	10
Marble and tile setters.....	12	312	3 50	1,092 00	9
Mechanics.....	6	241	2 25	542 25	10
Millwrights.....	5	307	2 75	844 25	10
Meter man.....	1	365	2 00	730 00	10
Miscellaneous help.....	31	308	2 07	637 56	10
Molders.....	46	308	2 60	800 80	10
Nickel plater.....	1	280	2 75	770 00	10
Oilers.....	2	365	1 50	547 50	12
Pail makers.....	6	308	1 50	462 00	10
Painters.....	1	280	2 50	700 00	10
Paste maker.....	1	307	1 33	408 31	9
Pattern makers.....	44	308	1 90	585 20	10
Platers.....	9	308	1 73	532 84	10
Polishers.....	26	308	2 53	779 24	10
Porter.....	1	300	50	150 00	....
Pressmen and compositors.....	3	300	2 75	825 00	10
Press operators.....	7	301	1 24	373 24	10
Putty workers.....	2	305	2 00	610 00	10
Quarrymen.....	6	307	1 50	460 50	10
Roofers.....	14	320	1 99	636 80	10
Rubber stamp makers.....	2	310	1 75	542 50	10
Shippers.....	7	304	2 29	696 16	10
Slitter machine operator.....	7	300	1 15	345 00	10
Spinners.....	7	304	2 57	781 28	10
Stamp maker.....	1	310	2 15	666 50	10
Stencil cutter.....	1	310	3 33	1,032 30	10
Table makers.....	25	308	1 50	462 00	10
Teamsters.....	2	242	2 00	484 00	10
Tester.....	1	280	1 67	467 60	10
Tinners.....	9	305	2 59	789 95	10
Tool maker.....	1	280	3 00	840 00	10
Umbrella makers.....	20	309	1 64	506 76	10
Wax workers.....	2	305	2 00	610 00	8

TABLE IVd—MANUFACTURES—DAYTON—Continued.

ADVERTISING NOVELTIES AND SIGNS—2 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Feeders.....	4	300	\$1 00	\$300 00	9
Laborers.....	4	300	75	225 00	9
Sewer.....	1	306	67	205 02	10

AWNINGS, TENTS AND FLAGS.—3 ESTABLISHMENTS.

Cutter.....	1	200	1 00	200 00	9
Machine operators.....	8	277	84	232 68	9.8

BOXES (PAPER)—5 ESTABLISHMENTS.

Cleaners.....	6	290	60	174 00	9
Cutters.....	42	290	78	226 20	10
Feeders.....	5	290	1 10	319 00	9
Finishers.....	129	300	1 12	336 00	8.4
Gluers.....	26	274	75	205 50	10
Gluers and packers.....	56	300	63	189 00	10
Pail makers.....	78	274	90	246 60	10

BOXES (WOODEN)—2 ESTABLISHMENTS.

Nailers.....	3	306	70	214 20	10
Pasters.....	38	270	70	189 00	9.2

BREAD AND OTHER BAKERY PRODUCTS—5 ESTABLISHMENTS.

Clerks.....	3	310	75	232 50	12
Packers.....	35	298	66	196 68	9.2

BROOMS AND BRUSHES—1 ESTABLISHMENT.

Brush maker.....	1	290	55	159 50	8
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CARRIAGES AND WAGONS—1 ESTABLISHMENT.

Machine operators.....	2	275	83	228 25	9
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CIGARS—13 ESTABLISHMENTS.

Banders.....	15	297	75	225 75	9
Bunch breakers.....	86	296	1 16	343 36	9
Bunch breakers' apprentices.....	40	296	1 75	518 00	9
Cigar makers.....	117	282	1 42	400 44	8.6
Packers' apprentices.....	42	294	1 42	417 48	8.2
Piercer.....	1	290	1 50	435 00	9
Rollers.....	259	294	1 38	405 72	9
Strippers.....	123	300	98	294 00	9.7

CLOTHING—21 ESTABLISHMENTS.

Helpers.....	4	300	1 00	300 00	9
Inspectors and folders.....	2	245	1 50	367 50	8.5
Machine operators.....	226	288	99	285 12	8.9
Tailoresses.....	3	275	1 75	481 25	10
Trouser makers.....	11	238	1 25	297 50	10
Vest makers.....	21	248	1 21	300 08	9.6

COFFEE, BAKING POWDER AND SPICES—3 ESTABLISHMENTS.

Can makers.....	5	300	1 25	375 00	9
Packers.....	51	301	1 02	307 02	8.7

CONFECTIONERY—1 ESTABLISHMENT.

Dippers.....	5	300	70	210 00	9
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TABLE IVd—MANUFACTURES—DAYTON—Continued.

DAIRY PRODUCTS—1 ESTABLISHMENT.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Laborer	1	365	\$ 75	\$273 75	8

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—2 ESTABLISHMENTS.

Bottlers	14	269	75	201 75	10
Demonstrators	2	309	1 25	386 25	8
Laborers	6	309	70	216 30	8

ELECTRICAL GOODS AND SUPPLIES—3 ESTABLISHMENTS.

Laborers	4	279	1 00	279 00	10
Winders	2	303	1 25	378 75	9.2

EXTRACTS, TOILET ARTICLES AND PERFUMERY—1 ESTABLISHMENT.

Extract department hands	9	300	1 12	336 00	10
Miscellaneous help	8	300	1 25	375 00	10

FOUNDRY AND MACHINE SHOP PRODUCTS—7 ESTABLISHMENTS.

Assemblers	140	283	1 31	370 73	8
Assorters	35	317	70	221 90	10
Coremakers	71	306	1 00	306 00	10
Laborers	4	310	73	226 30	9.8
Machinists	124	273	1 28	349 41	8
Miscellaneous help	215	273	1 32	360 36	8
Printers and binders	65	273	1 30	354 90	8
Tool setters	15	317	60	190 20	10
Upholsterers	4	307	1 00	307 00	10

MACHINERY—1 ESTABLISHMENT.

Seamstresses	13	306	1 00	306 00	8
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MATTRESSES AND PILLOWS—2 ESTABLISHMENTS.

Seamstresses	8	261	1 00	261 00	9.6
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PAINTS AND VARNISHES—1 ESTABLISHMENT.

Card makers	10	295	1 00	295 00	8.5
Labelers	10	295	1 25	368 75	8.5

PRINTING AND BINDING—15 ESTABLISHMENTS.

Apprentice	1	300	75	225 00	9.5
Blank book department hands	26	290	87	252 30	10
Binders	65	299	83	248 17	9.5
Compositors	8	303	1 45	439 35	9.7
Feeders	26	304	98	297 92	9.4
Helpers	6	312	87	271 44	9
Machine hands	4	300	67	201 00	9
Mailing clerks	6	310	1 00	310 00	8
Proof readers	4	310	1 00	310 00	9
Retailers	6	310	1 25	387 50	8
Rulers	15	290	80	232 00	10
Tablet department hands	35	290	87	252 30	10

SOAP, CANDLES AND TALLOW—4 ESTABLISHMENTS.

Laborers	2	306	50	153 00	10
Mailers	5	299	1 05	313 95	8.5
Packers	14	295	1 05	309 75	8.9
Wrappers	3	295	83	244 85	10

TABLE IVd—MANUFACTURES—DAYTON—Concluded.

STRAW-BOARDS AND PAPER—4 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Calender girls	7	232	\$ 83	\$192 56	10
Counters	3	290	98	284 20	10
Cutter girls	5	270	83	224 10	10
Feeder	1	300	85	255 00	10
Label girls	1	300	85	255 00	10
Laborers	5	280	83	232 40	10
Lay-off girls	4	300	85	255 00	10
Rag sorters	20	300	85	255 00	10
Scrapers	6	232	67	155 44	10

TOBACCO (CHEWING AND SMOKING)—4 ESTABLISHMENTS.

Bulk-workers	2	230	1 00	230 00	9.5
Caser	1	260	1 12	291 20	9
Dryer	1	260	99	257 40	9
Oversizer	36	249	1 24	308 76	9
Packers	7	260	1 00	260 00	9
Piece workers	16	230	1 00	230 00	9
Rehandlers	34	308	80	246 40	9

MISCELLANEOUS—8 ESTABLISHMENTS.

Clerks	4	309	1 04	321 36	9
Mailing department hand	50	300	1 00	300 00	8
Pail makers	42	308	75	231 00	10
Plater	8	309	1 09	336 81	10
Seamstress	1	300	1 00	300 00	10
Slitter machine operators	2	300	75	225 00	10
Umbrella makers	46	309	85	262 65	10
Wax workers	6	305	75	228 75	10

TABLE IV*dd*—MANUFACTURES—DAYTON—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Foundry and machine shop products....	Pipe-fitters	40	3.5	.....
" " " " " "	Plater	1	10	.....
" " " " " "	Polishers	11	11	.....
" " " " " "	Polishers and buffers	12	5	.....
" " " " " "	Punch hands	2	9	.....
" " " " " "	Screw machine hands	6	12	.....
" " " " " "	Tinners	40	3.5	.....
" " " " " "	Tool makers	13	5.8	.....
" " " " " "	Truck builders	45	3.5	.....
" " " " " "	Upholsterers	51	3.5	.....
" " " " " "	Watchman	1	10	.....
" " " " " "	Wood workers	171	3.5	.....
Furniture	Apprentices	5	.....	20
" " " " " "	Apprentices	12	19.5	.....
" " " " " "	Cabinet makers	51	10	.....
" " " " " "	Engineer	1	10	.....
" " " " " "	Finishers	10	20	.....
" " " " " "	Machine hands	86	16	.....
" " " " " "	Packers	16	24.2	.....
Glass and glassware	Apprentices	2	5	.....
" " " " " "	Bevelers	2	5	.....
" " " " " "	Cementers	2	5	.....
" " " " " "	Cutters	2	5	.....
" " " " " "	Glaziers	3	5	.....
Harness and saddlery	Stuffer (boy)	1	5	.....
Iron (structural and architectural)	Iron workers	8	10	.....
Liquors (malt)	Bottlers	1	.....	6
" " " " " "	Bottlers	2	16	.....
" " " " " "	Brew-master	1	17	.....
" " " " " "	Cellerman	4	3	.....
" " " " " "	Drivers	2	20	.....
" " " " " "	Engineers	5	12.5	.....
" " " " " "	Hostler	1	25	.....
" " " " " "	Kettleman	1	6	.....
" " " " " "	Laborer	1	10	.....
" " " " " "	Washhouse men	4	2	.....
Machinery	Watchman	1	6	.....
" " " " " "	Apprentices	82	10	.....
" " " " " "	Bench hands	13	10	.....
" " " " " "	Blacksmith	10	.....	1.2
" " " " " "	Blacksmith helpers	11	10	.....
" " " " " "	Boiler makers	38	1.8	.....
" " " " " "	Carpenter	1	10	.....
" " " " " "	Core makers	85	10.5	.....
" " " " " "	Draughtsmen	2	8.1	.....
" " " " " "	Cupola tender	30	.....	6.9
" " " " " "	Drill-press hands	1	10	.....
" " " " " "	Electricians	6	2	.....
" " " " " "	Engineers	5	16.1	.....
" " " " " "	Firemen	7	.....	5.1
" " " " " "	Firemen	2	10	.....
" " " " " "	Grinders	3	8	.....
" " " " " "	Laborers	368	6.8	.....
" " " " " "	Lathe hands	74	10	.....
" " " " " "	Machine hands	2	10	.....
" " " " " "	Machinists	343	.....	3.9
" " " " " "	Machinists	39	10	.....
" " " " " "	Millwrights	2	22.5	.....
" " " " " "	Monitor hands	3	10	.....
" " " " " "	Molders	160	9	.....
" " " " " "	Pattern Makers	36	21.3	.....
" " " " " "	Painters	11	2.7	.....
" " " " " "	Planer hands	14	10	.....
" " " " " "	Pipe fitters	11	.....	5.8
" " " " " "	Polishers	4	10	.....
" " " " " "	Tool maker	1	10	.....
" " " " " "	Watchmen	8	7.7	.....
Printing and binding	Apprentices	7	20	.....
" " " " " "	Binders	3	5	.....
" " " " " "	Errand boy	1	36	.....
" " " " " "	Porter	1	20	.....
" " " " " "	Press feeders	4	19.9	.....

TABLE IVdd—MANUFACTURES—DAYTON—Concluded.

Table by Industries Showing the Number in Each Occupation Affected by a
Change in Wages for the Year 1903.

Industries.	Occupation — Female.	Number of employees.	Advanced per cent.	Reduced per cent.
Awnings, tents and flags.....	Sewing machine operators ...	3	10	.....
Bread and other bakery products.....	Packers	14	5	.....
Clothing.....	Inspectors and folders.....	2	.....	25
Foundry and machine shop products.....	Assorters.....	35	10	.....
" " " " " "	Packers	23	10	.....
" " " " " "	Tool setters.....	15	10	.....
Soap, candles and tallow.....	Packers	10	5	.....
" " " " " "	Wrappers	5	5	.....
Totals and averages.....	.....	105	8.6	.....
	.....	2	.....	25

TABLE IV_c—MANUFACTURES—TOLEDO.
AGRICULTURAL IMPLEMENTS—2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Cupola tender	1	272	\$1 75	\$476 00	10
Engineer.....	1	272	1 75	476 00	10
Grinder.....	1	272	1 75	476 00	10
Laborers.....	28	259	1 40	362 60	10
Mechanic.....	1	272	2 50	680 00	10
Molders.....	9	272	2 50	680 00	10
Painters.....	4	272	1 50	408 00	10
Rattler.....	1	272	1 50	408 00	10
Wood workers.....	5	272	2 00	544 00	10

AWNINGS, TENTS AND FLAGS—3 ESTABLISHMENTS.

Awning and tent makers.....	11	306	2 11	645 66	10
Blacksmith.....	1	306	2 00	612 00	10
Foremen.....	2	298	2 50	745 00	9.7
Laborers.....	9	304	1 73	525 92	9.9
Machinist.....	1	290	2 00	580 00	9.5
Painter.....	1	306	2 00	612 00	10
Shipping clerk.....	1	306	2 00	612 00	10

BATH CABINETS—2 ESTABLISHMENTS.

Cutter.....	1	300	1 75	525 00	9
Laborers.....	4	300	1 00	300 00	9.5
Packer.....	1	300	1 50	525 00	9
Tackers.....	4	300	1 50	525 00	9
Wire workers.....	2	300	1 80	540 00	9.5

BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—5 ESTABLISHMENTS.

Assemblers.....	55	298	1 86	554 28	10
Bench hands.....	153	275	1 35	371 25	10
Blacksmiths.....	39	295	2 96	873 20	10
Buffers.....	2	260	2 00	520 00	9
Clerks and elevator boys.....	16	297	1 75	519 75	10
Draughtsmen.....	5	297	3 50	1,039 50	10
Drop forgers.....	15	300	2 50	750 00	10
Enamelers.....	20	300	2 00	600 00	10
Engineers.....	13	292	1 85	540 20	10
Filers.....	30	297	1 75	519 75	10
Foremen.....	7	297	4 25	1,262 25	10
Forge hands.....	5	275	1 75	481 25	10
Foundry hands.....	15	297	2 50	742 50	10
Inspectors.....	5	297	2 00	594 00	10
Laborers.....	95	306	1 50	459 00	10
Machinists.....	82	294	2 95	867 30	9.9
Machine hands.....	115	275	1 50	412 50	10
Machine and bench hands.....	120	309	1 50	463 50	10
Packers.....	10	275	1 60	440 00	10
Packers and yardmen.....	30	309	1 37	423 33	10
Painters.....	75	302	1 90	573 80	10
Platers.....	19	299	2 07	618 93	10
Polishers and buffers.....	32	300	3 00	900 00	10
Pressman.....	1	260	1 50	390 00	9
Rattan workers.....	170	309	1 75	540 75	10
Shipping clerks.....	10	297	1 75	519 75	10
Teamster.....	1	275	2 00	550 00	10
Testers.....	15	297	1 75	519 75	10
Tinners.....	10	297	2 00	594 00	10
Tool maker.....	51	299	3 03	905 97	9
Upholsterers.....	2	309	1 50	463 50	10
Watchman.....	1	260	1 50	390 00	10
Wheel workers.....	40	309	1 37	423 33	10
Wood workers.....	60	305	1 75	533 75	10

TABLE IVc—MANUFACTURES—TOLEDO—Continued.

BILLARD TABLES, BAR AND STORE FIXTURES—2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Carpenters	80	300	\$1 75	\$525 00	10
Carvers	2	300	2 50	750 00	10
Engineers	300	2 00	600 00	600 00	10
Laborers	56	305	1 75	533 75	10
Turners	4	300	2 00	600 00	10

BOILERS, ENGINES AND TANKS—6 ESTABLISHMENTS.

Apprentices	3	280	1 00	280 00	10
Blacksmiths	18	304	2 79	848 16	9.6
Boiler makers	31	288	2 97	855 36	10
Boiler makers' helpers	23	296	1 73	512 08	10
Bolt makers	3	308	2 25	693 00	8
Carpenters	3	280	2 12	593 60	10
Draymen	2	280	1 50	420 00	10
Engineer	1	302	2 00	604 00	10
Foremen	3	280	3 62	1,013 60	10
Handymen	7	280	2 00	560 00	10
Helpers	30	299	1 96	576 04	10
Iron workers	97	310	2 00	620 00	10
Laborers	142	300	1 71	513 00	9.4
Machinists	87	307	2 57	788 99	9.2
Machinists' helpers	22	308	2 10	646 80	8
Molders	3	280	2 50	700 00	10
Painters	3	292	2 75	808 50	9
Screw cutters	6	308	2 18	671 44	8
Wood workers	52	310	2 75	852 50	10

BOXES (PAPER)—3 ESTABLISHMENTS.

Box makers	15	301	1 30	391 30	9.8
Cutter	1	287	2 00	574 00	10

BOXES (WOODEN)—4 ESTABLISHMENTS.

Box makers	4	300	1 25	375 00	9.7
Box makers (boys)	3	300	75	225 00	10
Cutters	7	300	1 83	549 00	10
Engineers	2	301	2 12	638 12	10
Laborers	28	302	1 33	401 66	10
Machine hands	10	300	1 75	525 00	10
Millman	1	300	2 50	750 00	10
Nailers	14	301	1 89	568 89	10
Sawyers	10	303	1 75	530 25	10
Suit holders	5	300	1 25	375 00	9.5
Teamsters	5	303	1 62	490 86	10

BREAD AND OTHER BAKERY PRODUCTS—10 ESTABLISHMENTS.

Bakers	67	266	2 02	537 32	9.2
Bakers' helpers	12	290	1 75	507 50	9
Box makers	2	290	83	240 70	9
Drivers	36	280	1 97	551 60	9
Engineers	3	305	1 94	591 70	9.6
Hostlers	3	298	1 93	574 94	9
Icer	1	290	1 50	435 00	9
Laborers	16	329	1 44	473 76	9
Packers	3	290	1 75	507 50	9
Shippers and helpers	11	297	1 66	493 02	9.5
Truckmen	2	290	1 75	507 50	9
Watchman	1	290	1 50	435 00	9

BRICK AND TILE—10 ESTABLISHMENTS.

Bankmen	21	181	1 76	318 56	9.2
Brakeman	1	280	1 50	420 00	10
Brick makers	35	282	1 50	423 00	10

TABLE IV_e—MANUFACTURES—TOLEDO—Continued.

BRICK AND TILE—10 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Burners	30	198	\$1 83	\$362 34	9.5
Craneman	1	143	2 50	357 50	8.5
Dryer	1	143	1 50	214 51	8.5
Dumpers	10	165	2 39	394 35	8.8
Edgers	4	190	74	140 60	9.6
Engineers	14	186	2 08	386 88	9
Errand boy	1	140	75	105 00	10
Firemen	2	280	2 00	560 00	10
Foremen	2	151	2 33	351 83	11
Helper	1	143	1 68	240 24	8.5
Hostler	1	143	1 50	214 50	8.5
Laborers	37	189	1 69	319 41	9
Laborers (boys)	2	140	90	126 00	10
Loaders	4	280	1 60	448 00	10
Miscellaneous help	18	200	1 90	380 00	9
Mold washers	4	188	81	152 28	7.2
Pallet boys	5	181	92	166 52	9.2
Pallet men	6	133	1 40	186 20	8.7
Picker	1	140	1 95	273 00	10
Pitchers	4	150	2 55	382 50	8.5
Rackers	11	161	1 95	313 95	8.8
Runner	1	143	3 50	400 50	8.5
Sand boys	4	175	1 08	189 00	8.6
Sanders	8	168	1 51	253 68	9.7
Setters	22	205	3 00	615 00	9.5
Shovelers	6	204	1 50	306 00	8.6
Strike-off men	9	169	1 85	312 65	8.9
Teamsters	29	164	1 80	295 20	9.3
Teamsters (with team)	5	224	3 86	866 64	8.7
Temperers	4	149	2 38	354 62	8.1
Temperers' helpers	2	143	1 75	150 25	8.5
Tossers	6	143	1 95	278 85	8.5
Truckers	31	162	1 78	288 36	8.8
Tub tenders	6	169	1 86	314 34	9.2
Turn brick	1	133	1 25	156 25	9
Turntable boy	9	158	92	145 36	8.5
Watchmen	2	138	1 25	172 50	9.7
Wheelers	45	195	2 52	491 40	9.2
Yardmen	8	138	1 68	231 84	8.2

BROOMS AND BRUSHES—6 ESTABLISHMENTS.

Broom makers	12	289	1 88	543 32	8.7
Brush makers	100	294	1 83	538 02	10
Brush makers (boys)	55	291	1 70	203 70	10
Foremen	3	300	3 00	900 00	10
Machinists	2	300	2 25	675 00	10
Sewers	3	269	1 71	455 99	8.8
Sorters	8	297	1 41	418 77	8.7

CARRIAGES AND WAGONS—11 ESTABLISHMENTS.

Blacksmiths	95	295	1 92	566 40	9.7
Blacksmiths' helpers	50	302	1 40	422 80	9.7
Carpenters	9	300	1 85	555 00	10
Elevator boys and miscellaneous help	9	300	65	195 00	10
Helpers	2	306	1 66	507 96	10
Laborers	46	300	82	246 00	10
Machinists	5	300	2 50	750 00	10
Mechanics	21	300	1 80	540 00	10
Painters	100	296	1 87	553 52	9.6
Shippers	41	300	1 50	450 00	10
Trimmers	2	303	2 25	681 75	9
Watchmen	3	300	1 60	480 00	12
Wheelwright	1	310	2 50	775 00	9
Wood workers	124	299	1 78	532 22	9.8
Yardmen and drivers	23	300	1 58	474 00	9.6

TABLE IV_c—MANUFACTURES—TOLEDO—Continued.

CARRIAGE AND WAGON MATERIALS—5 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Benders	18	304	\$1 40	\$425 60	10
Blacksmiths	3	305	2 50	762 50	10
Carpenter	1	300	2 50	750 00	10
Cutters	2	305	2 50	762 50	10
Engineers	4	298	2 17	646 66	10
Firemen	2	293	1 55	454 15	10
Foremen	7	300	2 50	750 00	10
Graders and sorters	20	307	1 50	460 50	10
Laborers	78	300	1 36	408 00	10
Machine hands	52	291	1 75	509 25	10
Machine hands' helpers	24	283	1 43	404 69	10
Machinists	2	306	2 75	841 50	10
Packers	10	307	1 50	460 50	10
Paste boys	2	305	75	228 75	10
Sawyers	12	307	1 75	537 25	10
Shippers	9	305	1 67	509 35	10
Stuffers	2	305	2 25	686 25	10
Teamsters	10	301	1 65	496 65	10
Teamster (with team)	1	300	4 00	1,200 00	10
Top makers	2	305	2 50	762 50	10
Watchman	1	300	1 50	450 00	10
Wood workers	2	305	2 00	610 00	10

CHEWING GUM—2 ESTABLISHMENTS.

Gum makers	2	267	2 87	766 29	9.5
Gum makers' helper	1	264	1 00	264 00	10

CIGARS—13 ESTABLISHMENTS.

Cigar makers	68	289	1 97	569 33	8
Foreman	1	300	2 60	780 00	8
Laborer	1	300	50	150 00	8
Strippers	8	275	87	239 25	8.2

CLOTHING—32 ESTABLISHMENTS.

Apprentices	2	290	1 00	290 00	8.5
Bushmen	7	312	2 21	689 52	10
Button machine operators	2	290	85	246 50	9
Coatmakers	67	306	2 66	813 96	9.7
Cutters	23	290	2 30	667 00	9.5
Foreman	1	300	4 00	1,200 00	10
Helper	1	300	2 50	750 00	10
Helpers (boys)	4	283	85	240 55	9
Machine operators	40	300	3 25	975 00	10
Machinist	1	290	2 00	580 00	9
Packer	1	290	85	246 50	9
Porter	1	290	1 00	290 00	9
Pressers	12	300	1 75	525 00	9
Shipping clerk	1	290	2 00	580 00	9
Stock clerk	1	290	1 50	435 00	9
Tailors	79	252	2 47	622 44	9
Trouser makers	24	304	2 21	671 84	9.6
Vest makers	2	300	2 50	750 00	10
Watchman	1	290	1 10	319 00	9

COFFEE, BAKING POWDER AND SPICES—2 ESTABLISHMENTS.

Advertising department hand	1	310	1 50	465 00	10
Engineers, firemen and mechanics	7	310	2 30	713 00	10
Laborers	10	306	2 00	612 00	10
Porters	24	310	1 65	511 50	10
Roasters	12	310	2 25	697 50	10
Spice department hands	9	310	1 65	511 50	10

TABLE IV_c—MANUFACTURES—TOLEDO—Continued.

COOPERAGE—9 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Coopers.....	41	300	\$2 11	\$633 00	9.7
Yardmen.....	4	300	2 22	666 00	10

COPPER AND BRASS GOODS...2 ESTABLISHMENTS.

Apprentices.....	2	306	67	205 02	9
Finishers (brass).....	9	303	4 69	1,421 07	9
Molders (brass).....	5	302	4 41	1,331 82	9

COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—2 ESTABLISHMENTS.

Knitters.....	2	285	2 00	570 00	10
Pressers.....	3	285	1 50	427 50	9.5

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—4 ESTABLISHMENTS.

Buffers.....	2	300	1 50	450 00	10
Die setter.....	1	300	2 00	600 00	10
Helpers.....	8	300	90	270 00	10
Janitor.....	1	307	1 25	383 75	7
Laborers.....	4	305	1 12	351 60	8.5
Laboratory employes.....	3	307	2 33	715 31	8
Packers.....	2	270	1 00	270 00	9.5
Polisher.....	1	300	2 25	675 00	10
Solderers.....	2	300	1 25	375 00	10
Tool setter.....	1	300	2 50	750 00	10

ELECTRICAL GOODS AND SUPPLIES—4 ESTABLISHMENTS.

Assemblers.....	15	306	1 50	459 00	9
Bench hands.....	9	294	2 11	620 34	9
Cock makers.....	2	285	2 25	641 25	9
Driver.....	1	306	1 50	459 00	9
Electricians.....	3	300	3 00	900 00	8
Engineer.....	1	285	2 00	570 00	9
Errand boy.....	1	307	1 75	230 25	9
Filers.....	6	296	1 37	405 52	9
Fitters.....	10	293	1 75	512 75	9
Fitters' helpers.....	6	288	67	192 96	9
Floor boy.....	1	307	1 75	230 25	9
Grinders.....	6	288	1 58	455 02	9
Laborers.....	18	285	90	256 50	9
Lacquerers.....	2	285	1 75	508 25	9
Lathe hands.....	13	298	2 15	642 70	9
Machine hands.....	10	306	1 25	382 50	9
Machinists.....	4	306	2 75	841 50	9
Molders.....	8	293	2 84	832 12	9
Molders' helpers.....	5	293	1 35	395 55	9
Packer.....	1	307	1 75	537 25	9
Pattern maker.....	1	307	3 00	921 00	9
Platers.....	2	296	3 25	962 00	9
Platers' helpers.....	1	307	1 50	460 50	9
Polishers.....	21	299	2 69	804 31	9
Polishers' helpers.....	3	307	75	230 25	9
Press hands.....	8	306	1 50	459 00	9
Shipping clerks.....	6	288	1 58	455 04	9
Spinners.....	4	296	2 50	740 00	9
Stock clerk.....	4	306	1 55	474 30	9
Tapping machine hands.....	2	306	1 25	382 50	9
Watchman.....	1	285	1 50	427 50	9

EXTRACTS, TOILET ARTICLES AND PERFUMERY—2 ESTABLISHMENTS.

Packer.....	1	306	1 58	477 48	9
Packers' assistant.....	1	306	67	205 02	9
Perfumer.....	1	303	2 50	757 50	8

TABLE IV_c—MANUFACTURES—TOLEDO—Continued.

FLOURING MILL PRODUCTS—9 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Carpenters	2	263	\$2 88	\$ 757 44	10
Coal passers	3	263	1 65	433 95	10
Coopers	12	280	1 50	420 00	8
Elevator foreman	1	263	3 84	1,009 92	10
Elevator men	10	263	1 75	460 25	10
Elevator weigh-master	1	263	2 20	578 60	10
Engineers	17	220	2 89	635 80	10.2
Feeders	2	305	2 12	646 50	10
Firemen	12	252	1 90	478 80	9.5
Foremen	5	276	2 28	519 28	10.8
Grinder	1	290	2 00	580 00	10
Helpers	5	275	1 63	448 25	11
Laborers	118	258	1 70	437 20	10
Laborers (boys)	3	263	88	231 44	10
Machinist	1	357	2 50	892 50	12
Millers	21	269	2 51	675 19	11.8
Millers' helper	1	357	1 75	624 75	12
Mill clerk	1	263	2 20	578 60	10
Millwrights	8	218	3 50	763 00	9.7
Oilers	10	268	1 70	455 60	11.6
Packers	36	266	1 99	529 34	11.9
Roll tender	4	263	3 12	820 56	12
Smutters	2	263	1 75	460 75	12
Sweepers	13	270	1 67	450 90	10
Teamsters	8	291	1 90	552 90	10
Teamster (with team)	1	263	3 25	854 75	10
Watchmen	2	284	1 70	482 80	12
Wheat cleaners	2	276	1 92	530 92	10

FOUNDRY AND MACHINE SHOP PRODUCTS—17 ESTABLISHMENTS.

Assemblers	29	300	1 99	597 00	10
Bench hands	32	300	1 35	405 00	10
Blacksmiths	13	301	2 85	857 85	9
Carpenters	8	274	2 50	685 00	10
Cleaners and chippers	22	310	1 50	465 00	10
Core makers	104	274	1 98	542 52	10
Draughtsman	1	300	2 25	675 00	10
Cupola tender	1	309	2 10	648 90	10
Dippers	2	300	1 50	450 00	10
Enamellers	8	300	1 57	471 00	10
Engineers	3	304	2 00	608 00	9.6
Engineers and firemen	7	274	1 88	513 12	10
Finishers	10	300	2 00	600 00	9.2
Flask makers	3	190	2 50	475 00	10
Furnacemen and helpers	48	276	2 02	557 52	10
Grinders	13	297	1 75	519 75	10
Hammermen	5	300	1 75	525 00	10
Handlemen	4	300	1 75	525 00	10
Helpers	161	278	1 50	417 00	9.4
Labelers	2	300	1 25	375 00	10
Laborers	807	279	1 62	451 98	9.9
Machine hands	24	300	1 52	456 00	10
Machinists	145	298	2 17	646 66	9.3
Molders	452	282	2 42	682 44	9.8
Packers	13	300	1 35	405 00	10
Painters	7	300	1 50	450 00	10
Pattern makers	28	284	2 85	809 40	9
Platers and helpers	3	300	1 50	450 00	10
Polishers and buffers	5	300	3 00	900 00	10
Pressmen	6	300	1 50	450 00	10
Riveters	5	295	1 90	560 50	9.8
Shearmen	2	300	1 50	450 00	10
Shipping clerk	1	300	2 50	750 00	10
Steam fitters	15	313	3 00	939 00	8
Stock keeper	1	300	2 25	675 00	10

TABLE IV_e—MANUFACTURES—TOLEDO—Continued.

FOUNDRIY AND MACHINE SHOP PRODUCTS—17 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Teamster	1	300	\$1 50	\$ 450 00	10
Tinners	2	300	1 87	561 00	10
Watchmen	5	300	1 57	471 00	10.5
Welders	6	300	3 49	1,047 00	10
Wood workers	9	300	1 81	543 00	9.3

FURNITURE—11 ESTABLISHMENTS.

Apprentices	7	300	1 19	357 00	9
Benders	2	279	1 50	418 50	10
Cabinet makers	87	309	2 32	716 88	9.3
Carpenters	11	308	2 72	837 76	8.3
Carvers	7	298	2 39	712 22	9.4
Chair makers	19	291	1 46	420 96	9.4
Chair makers' helpers	10	312	1 35	421 20	10
Coaters	3	304	2 00	608 00	9
Cover makers	5	300	75	225 00	10
Cutter	1	300	2 00	600 00	10
Draughtsman	1	310	3 00	930 00	10
Engineers	3	293	2 35	688 55	9.6
Fillers	3	304	1 40	425 60	9
Finishers	26	302	1 95	508 90	9.7
Fireman	1	290	2 00	580 00	9
Foremen	2	300	2 38	714 00	10
Helpers	10	295	1 09	321 55	9.7
Laborers	2	302	1 42	428 84	9.5
Laborers (boys)	39	283	87	248 82	9.4
Machine hands	97	294	2 00	588 00	9.5
Machine hands' helpers	10	312	1 50	468 00	10
Machinist	1	280	2 75	770 00	9
Packers	12	298	1 48	441 04	9.5
Rubbers	4	304	2 00	608 00	9
Sanders	2	304	1 00	304 00	9
Shipping clerk	1	300	2 00	600 00	10
Teamsters	3	286	1 56	446 16	9.3
Upholsterers	39	298	2 11	628 78	9.5
Veneerers	7	290	1 60	464 00	9
Watchman	1	290	1 50	435 00	9
Yardmen	9	296	1 50	444 00	9.3

GAS AND ELECTRICITY—2 ESTABLISHMENTS.

Chargers (retort house)	14	365	2 25	821 25	12
Drip pumps	2	365	1 25	456 25	10
Electrician	1	365	2 50	912 50	9
Engineers	8	365	2 37	865 05	12
Exhaust-room employes	2	365	1 75	638 75	12
Firemen	14	365	1 76	642 40	9.2
Gas fitters	2	365	2 00	730 00	10
Gas fitters' helpers	4	365	1 65	602 25	10
Laborers	69	365	1 75	638 75	10
Lineman	1	365	2 25	821 25	9
Machinist	1	365	2 75	1,003 75	10
Meter men	8	365	2 00	730 00	10
Steam fitters	3	365	2 25	821 25	9
Water gas makers	2	365	1 80	657 00	12
Water gas makers' helpers	2	365	1 50	547 50	12

GLASS AND GLASSWARE—3 ESTABLISHMENTS.

Acid room foreman	1	209	2 25	470 25	10
Blacksmith	1	209	3 00	627 00	10
Blowers	550	275	2 25	508 75	9
Box maker	1	209	3 25	679 25	10
Carpenter	1	209	2 25	470 25	10
Coal and ash wheelers	6	209	1 50	313 50	10
Cutters	177	275	2 49	684 75	10

TABLE IVe—MANUFACTURES—TOLEDO—Continued.

GLASS AND GLASSWARE—3 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Electrician.....	1	209	\$2 50	\$522 50	10
Engineer.....	1	209	2 75	574 75	10
Engineers and helpers.....	4	209	1 82	350 38	10
Feeders.....	16	209	5 10	1,065 90	8
Foreman.....	1	305	3 00	915 00	12
Furnacemen and helpers.....	6	209	1 97	411 73	10
Gatherers.....	48	209	3 25	679 25	8
Glaziers.....	10	209	1 25	261 25	10
Grinders, packers and shippers.....	100	275	1 75	481 25	10
Laborers.....	4	209	1 62	338 58	10
Laborers (boys).....	80	209	95	198 55	10
Lehrmen.....	8	209	1 50	313 50	10
Mixers.....	2	209	1 87	390 83	10
Mold makers.....	4	209	2 20	459 80	10
Packers.....	5	209	3 00	627 00	10
Selector.....	1	209	2 50	522 50	10
Shippers.....	3	209	1 83	382 47	10
Stampers.....	4	209	2 07	432 63	10
Teamster.....	1	305	1 75	533 75	10
Timekeepers.....	2	209	1 04	217 36	10
Warehousemen.....	2	305	1 50	457 50	10
Watchman.....	1	209	1 71	357 39	10
Water carriers (boys).....	2	209	80	167 20	10

HARNESS AND SADDLERY—2 ESTABLISHMENTS.

Collar makers.....	15	380	1 50	570 00	10
Harness makers.....	2	308	1 50	462 00	10

HATS, CAPS AND FURNISHINGS—1 ESTABLISHMENT.

Blocker.....	1	301	2 00	602 00	9
Cutter.....	1	301	1 17	352 17	9
Machine operators.....	4	301	2 50	752 50	9

IRON (STRUCTURAL AND ARCHITECTURAL)—2 ESTABLISHMENTS.

Blacksmiths.....	20	304	2 20	668 80	10
Bridge and structural iron workers.....	445	305	1 72	524 60	10
Helpers.....	50	296	2 50	740 00	10
Iron workers.....	6	296	2 50	740 00	10
Machinists.....	31	304	2 14	650 56	10
Molders.....	16	296	2 75	814 00	10
Pattern makers.....	2	296	2 00	592 00	10
Riveters.....	4	296	2 25	660 00	10
Wire workers.....	5	296	2 08	615 68	10

LIME, SAND, CEMENT AND PLASTER—4 ESTABLISHMENTS.

Engineer.....	1	300	2 00	600 00	10
Foremen.....	4	293	2 43	711 99	10
Laborers.....	27	292	1 67	487 64	10
Mortar makers.....	8	308	1 65	508 20	10
Plaster makers.....	6	308	1 75	539 05	10
Teamster (with team).....	1	290	4 00	1,160 00	10

LIQUORS (DISTILLED)—2 ESTABLISHMENTS.

Carpenter.....	1	310	1 75	542 50	10
Laborers.....	16	310	2 00	620 00	10
Laborer (boy).....	1	311	1 00	311 00	8
Machinist.....	1	310	3 00	620 00	10
Watchman.....	1	310	1 67	517 70	11
Yardman.....	1	311	3 00	933 00	8

TABLE IV_c—MANUFACTURES—TOLEDO—Continued.

LIQUORS (MALT)—6 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bartender.....	1	305	\$1 50	\$ 457 50	9
Bottlers.....	35	323	1 64	529 72	10
Brew master.....	1	365	4 00	1,460 00	8
Brewers.....	28	358	2 51	898 58	9
Brewers' helpers.....	2	365	1 50	547 50	8
Carpenters.....	15	309	2 26	698 34	9
Cellermen.....	35	278	2 70	750 60	9
Engineers.....	15	322	2 74	882 28	8.9
Fermenters.....	6	308	2 07	840 84	9
Firemen.....	11	332	2 07	687 24	8
Foremen.....	8	274	2 81	769 94	8
Helper.....	1	365	2 00	730 00	8
Hostlers.....	17	312	2 58	804 96	10.2
Kettleman.....	3	310	2 89	895 90	9
Laborers.....	9	307	1 61	494 27	9.4
Malt tender.....	1	305	2 50	762 50	9
Peddlers.....	9	345	2 94	1,014 30	9.1
Shipping clerk.....	1	305	2 50	762 50	10
Sternewarht.....	1	310	1 50	465 00	12
Teamsters.....	16	323	2 23	720 29	9
Washhouse men.....	30	308	2 52	776 16	9
Watchmen.....	4	238	1 88	447 44	10.2

MACHINERY—10 ESTABLISHMENTS.

Apprentices.....	14	304	93	282 72	9.2
Assemblers.....	3	290	2 00	580 00	10
Blacksmiths.....	25	302	2 67	806 34	9.9
Blacksmiths' helpers.....	29	299	1 71	511 29	9.9
Boiler makers.....	2	306	2 75	841 50	10
Carpenters.....	19	302	2 50	755 00	9.8
Carpenters' helpers.....	2	300	1 75	525 00	10
Die makers.....	33	307	2 80	859 60	9
Draughtsmen.....	6	290	3 58	1,038 20	9.3
Draughtsmen's assistant.....	1	300	1 54	462 00	10
Drivers.....	3	305	1 55	472 75	9.6
Engineers.....	8	303	2 02	612 06	9.8
Engineers' helpers.....	3	302	1 17	353 34	9.6
Enamelers.....	5	290	2 25	652 50	10
Foremen.....	8	300	3 40	1,020 00	10
Grinder.....	1	290	2 25	652 50	9
Helpers.....	45	306	1 48	452 88	9
Laborers.....	80	288	1 52	437 76	9.9
Machine hands.....	35	302	1 52	459 04	9.3
Machinists.....	246	300	2 43	729 00	9
Machinists' helpers.....	65	307	1 57	381 51	9.7
Molders.....	37	306	2 63	804 78	10
Molders' helpers.....	47	307	1 70	521 90	10
Packer.....	1	290	1 75	507 50	10
Painter.....	1	305	2 50	762 50	10
Pattern makers.....	9	307	3 11	954 77	9.3
Plater.....	1	290	3 50	1,015 00	9
Polishers.....	3	290	3 00	870 00	9
Receiving clerk.....	1	300	1 85	555 00	10
Shipping clerk.....	2	296	2 08	615 68	10
Store keepers.....	2	300	2 00	600 00	10
Time keepers.....	2	300	1 75	525 00	10
Tool makers.....	2	290	3 25	942 50	9
Watchmen.....	9	284	1 72	488 48	11.3
Wood workers.....	5	305	2 00	610 00	10

MARBLE AND GRANITE—2 ESTABLISHMENTS.

Cutters (granite).....	10	307	3 00	921 00	8
Cutters (marble).....	6	307	2 13	653 91	9.6
Engineer.....	1	306	2 50	765 00	10
Polishers.....	6	306	1 50	459 00	9
Polisher (marble).....	1	306	1 50	459 00	10

TABLE IV_c—MANUFACTURES—TOLEDO—Continued.

MATTRESSES AND PILLOWS—2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Driver.....	1	310	\$1 50	\$ 465 00	10
Filler.....	1	310	1 50	465 00	10
Finishers.....	2	310	1 62	502 20	10
Laborers.....	2	310	1 04	322 40	9
Picker.....	1	310	58	179 80	10
Spring makers.....	4	310	1 84	570 40	10

OIL AND GREASE—4 ESTABLISHMENTS.

Blacksmith.....	1	313	2 00	626 00	10
Bottleman.....	1	313	2 88	901 44	10
Brick layers.....	2	313	3 00	939 00	10
Carpenters.....	1	313	2 00	626 00	10
Car repairers.....	12	330	1 93	636 90	10
Coopers.....	11	302	2 06	622 12	10
Drillers.....	6	313	4 00	1,252 00	12
Engineers.....	12	306	2 43	743 58	10.6
Filterer.....	1	260	2 00	520 00	10
Firemen.....	14	334	2 10	701 40	11.8
Foremen.....	2	308	3 58	1,102 64	11
Laborers.....	63	310	1 89	585 90	10
Machinist.....	1	313	3 10	970 30	10
Moulders.....	11	252	1 92	483 84	11.4
Panmen.....	2	313	2 00	626 00	10
Pipe fitters.....	9	359	2 01	721 59	10
Pressmen.....	7	305	2 10	640 50	11
Pumpers.....	11	313	2 31	723 03	10
Shipping clerk.....	1	365	2 50	912 50	10
Stillmen.....	6	330	2 51	828 30	12
Strippers.....	3	252	1 80	453 60	10
Teamsters.....	10	313	1 98	619 74	10
Temperers.....	2	260	1 90	494 00	12
Trimmers.....	2	260	1 90	494 00	12
Tool dressers.....	6	313	3 00	939 00	12
Treaters.....	3	330	2 50	825 00	10
Watchmen.....	2	286	1 62	463 32	11

PAINTS AND VARNISHES—3 ESTABLISHMENTS.

Compounder.....	1	300	1 66	498 00	9.5
Engineers.....	2	279	2 25	517 75	9
Foreman.....	1	250	3 25	812 50	8
Grinder.....	1	250	1 75	437 50	8
Labeler.....	1	308	1 25	385 00	10
Laborer.....	1	308	1 50	462 00	9.5
Packers.....	2	279	1 60	446 40	9
Paint makers.....	5	308	1 66	511 28	10
Putty maker.....	1	308	1 83	563 64	10
Shipping clerk.....	1	308	1 50	462 00	10
Teamsters.....	3	305	1 67	509 35	9.8
Tinter.....	1	300	1 66	498 00	9.5
Varnish makers.....	2	308	2 00	616 00	10
Watchmen.....	2	279	1 43	398 97	10

PICKLES, PRESERVES AND SAUCES—2 ESTABLISHMENTS.

Engineer.....	1	306	2 00	612 00	10
Laborers.....	15	306	1 50	459 00	10
Processors.....	3	254	3 67	932 18	9.3

PRINTING AND BINDING—19 ESTABLISHMENTS.

Apprentices.....	11*	318	67	213 06	9.4
Binders.....	26	295	2 04	601 80	9
Box makers.....	3	280	1 45	406 00	8.5
Compositors.....	78	305	2 07	631 35	9

TABLE IV_c—MANUFACTURES—TOLEDO—Continued.

PRINTING AND BINDING—19 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Driver.....	1	306	\$1 50	\$ 459 00	9
Engravers.....	3	306	5 00	1,530 00	9
Errand boy.....	9	302	54	163 08	9
Finisher.....	1	306	3 00	918 00	9
Foremen.....	4	295	3 43	1,011 85	9
Forwarders.....	3	306	2 75	841 50	9
Helpers.....	2	306	1 50	459 00	9
Janitors.....	2	306	1 21	370 26	9
Machine operator.....	1	308	2 00	616 00	10
Photographer.....	3	306	2 50	765 00	9
Press boy.....	3	301	75	225 75	9
Press feeders.....	20	306	1 45	443 70	9
Pressmen.....	22	303	2 58	781 74	9
Proof reader.....	1	306	3 00	918 00	9
Rulers.....	2	306	2 75	841 50	9
Shippers.....	1	308	1 75	539 00	10
Wood worker.....	1	308	2 00	616 00	10

PUMPS AND WATER WHEELS—3 ESTABLISHMENTS.

Assemblers.....	3	104	2 25	234 00	10
Carpenter.....	1	104	2 50	260 00	10
Core makers.....	3	104	2 00	208 00	10
Drill-press hands.....	5	104	1 60	166 40	10
Foreman.....	1	104	3 25	338 00	10
Foundrymen.....	5	104	1 50	156 00	10
Helpers.....	9	104	1 57	163 28	10
Lathe hands.....	4	104	1 60	166 40	10
Machinists.....	2	104	2 75	286 00	10
Molders.....	10	104	2 50	260 00	10
Painter.....	1	104	2 75	286 00	10
Pattern maker.....	1	104	3 00	312 00	10
Pump fitters.....	27	301	1 50	451 50	10
Solderers.....	2	104	2 25	234 00	10
Teamster.....	1	104	1 75	182 00	10
Tinners.....	2	104	2 50	260 00	10

SASH, DOORS, LUMBER AND INTERIOR FINISH—15 ESTABLISHMENTS.

Bench hands.....	8	275	2 00	550 00	10
Carpenters.....	60	297	2 20	653 40	9.9
Electricians.....	1	300	2 12	626 00	10
Engineers.....	9	283	2 14	605 62	9.8
Estimators.....	3	300	1 47	441 70	8
Firemen.....	2	287	1 17	335 79	10
Foremen.....	9	280	2 57	719 60	9.7
Foremen's assistant.....	1	280	2 00	560 00	10
Glazier.....	3	289	1 75	505 75	10
Gluers.....	2	300	1 66	498 00	10
Helpers.....	11	290	1 15	333 50	10
Inspector.....	1	300	2 00	600 00	10
Laborers.....	109	241	1 44	347 04	9.3
Laborers (boys).....	4	294	75	220 50	10
Lumber handlers.....	7	300	1 40	420 00	10
Mill men.....	10	306	1 60	489 60	10
Machine men.....	97	291	2 00	582 00	9.9
Machine men's helpers.....	10	300	85	255 00	10
Painters and glaziers.....	6	300	1 75	525 00	10
Shippers.....	5	292	1 70	496 40	10
Stair builders.....	2	300	2 50	750 00	10
Teamsters.....	22	289	1 52	439 28	9.5
Turners.....	7	300	1 92	576 00	9
Veneerer.....	2	300	2 00	600 00	9.5
Warehouse men.....	3	290	1 50	435 00	10
Watchmen.....	3	300	1 36	408 00	11.3
Yard foremen.....	2	290	2 12	614 80	10
Yardmen.....	16	281	1 50	421 50	10

TABLE IVc—MANUFACTURES—TOLEDO—Continued.

SOAP, CANDLES AND TALOLW—2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Boiler	1	307	\$2 50	\$767 50	10
Chipper	1	307	1 50	153 50	10
Cutter and presser	1	307	1 50	460 50	10
Draymen	1	307	1 50	460 50	10
Engineers	2	303	1 50	454 50	10
Foreman	1	303	1 60	484 80	10
Kettleman	1	300	1 65	495 00	10
Laborers	5	305	1 15	350 75	10
Shipper	1	307	1 42	435 94	10
Wrappers and packers	9	307	50	153 50	10

SODA AND MINERAL WATERS—3 ESTABLISHMENTS.

Bottlers	7	303	2 00	606 00	8.5
Bottle washers	8	303	1 22	369 66	8.6
Drivers	12	304	2 11	641 44	8.3
Drivers' helper	1	313	1 16	363 08	10
Engineer	1	300	2 50	750 00	9
Foreman	1	313	3 33	1,042 29	10
Hostlers	2	304	1 62	492 48	8.5
Labeler	1	313	91	284 83	10
Laborers	7	301	1 07	322 07	9.1
Packer	1	306	1 50	459 00	7
Peddlers	2	313	2 91	910 83	10
Shipping clerk	1	313	2 91	910 83	10
Watchman	1	300	1 50	450 00	10

STEEL, IRON AND TIN—3 ESTABLISHMENTS.

Blacksmith	1	172	2 75	473 00	10
Blacksmiths and helpers	4	258	2 25	580 50	10
Boiler maker	1	258	1 75	451 50	10
Busheles	21	258	5 00	1,290 00	9
Busheles' helpers	21	258	3 50	903 00	9
Busheles' wheelers	7	258	1 60	412 80	9
Carpenters	3	172	2 65	465 80	10
Carpenters and helpers	2	258	1 75	451 50	10
Cinder men	2	172	2 20	378 40	12
Crane men	2	172	2 40	412 80	12
Dock oilers	2	172	2 96	509 12	11
Dock operators	2	172	3 50	502 00	11
Electricians	2	172	3 25	559 00	12
Engineers	15	217	2 37	514 29	10.9
Fagoters	13	258	2 00	516 00	10
Firemen	34	247	2 00	494 00	9.2
Foremen	6	215	2 00	430 00	10
Grinders	8	306	2 40	734 40	10
Hammer men	6	306	1 40	428 40	10
Heaters	7	306	6 00	1,836 00	9
Heaters' helpers	7	306	3 00	918 00	9
Helpers	14	172	2 40	412 80	12
Iron carriers	16	172	2 50	430 00	12
Keepers	2	172	3 00	516 00	12
Laborers	240	210	1 52	319 20	10
Machinists	4	172	2 65	465 80	10
Mason	1	172	4 40	756 80	8
Millwrights	10	258	2 00	516 00	10
Oilers	6	172	2 20	378 40	12
Pipe fitter	1	172	2 25	387 00	10
Pressmen	5	306	1 25	382 50	10
Puddlers	5	258	4 00	1,032 00	9
Puddlers' helpers	5	258	3 00	774 00	9
Riggers	2	172	3 50	502 00	11
Rollers	7	258	15 00	3,870 00	9
Roll hands	58	258	3 00	774 00	9
Roll turners	2	258	7 00	1,806 00	10

TABLE IVc—MANUFACTURES—TOLEDO—Continued.

STEEL, IRON AND TIN—3 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Run downs	7	258	\$3 00	\$774 00	19
Scale car men	2	172	22 50	430 00	12
Shearmen and helpers	30	258	22 50	645 00	10
Store men	2	172	22 40	412 80	12
Warehouse men	10	258	1 50	387 00	10
Watchmen	7	233	1 64	423 12	12
Water tender	4	172	2 40	412 80	12
Weigh boys	4	258	1 15	296 70	9

STENCILS, STAMPS AND SEALS—2 ESTABLISHMENTS.

Compositor	1	300	1 75	525 00	10
Engraver	1	300	2 87	861 00	10
Molder	1	300	1 50	450 00	10
Stamp maker	1	300	1 25	375 00	10
Stencil makers	3	308	2 75	847 00	9

STONE (CUT, SAWED AND ARTIFICIAL)—3 ESTABLISHMENTS.

Asphalt mixers	4	155	2 25	348 75	12
Blacksmith	1	155	2 50	387 50	10
Bricklayer	1	200	3 60	720 00	10
Carpenters	3	184	2 46	452 64	10
Engineers	2	155	2 75	426 25	12
Firemen	2	155	2 16	334 80	12
Foremen	2	155	2 00	310 00	12
Helpers	3	200	1 80	360 00	10
Laborers	8	155	1 50	232 50	10
Machinist	1	155	3 00	465 00	10
Pressmen	4	155	2 00	310 00	12
Shovelers	2	200	1 80	360 00	10
Sidewalk layers	14	238	1 87	445 06	9
Stone cutters	3	200	3 00	600 00	10
Stone mason	1	200	3 60	720 00	10
Stone setters	1	200	3 60	720 00	10

STOVES, RANGES AND FURNACES—2 ESTABLISHMENTS.

Assemblers	1	310	1 67	517 70	9
Foreman	1	310	3 00	930 00	9
Laborers	18	300	1 35	495 00	10
Molders	18	300	1 65	495 00	10
Mounters	4	300	1 50	450 00	10
Pattern maker	1	310	3 00	930 00	9
Plater	1	310	2 50	775 00	9
Shipping clerk	1	310	1 67	517 70	9
Teamster	1	310	1 25	387 50	9
Tinner	1	310	2 00	620 00	9

TINWARE, SHEET-IRON AND GALVANIZED IRONWARE—13 ESTABLISHMENTS.

Apprentice	1	306	2 25	688 50	10
Bench workers	18	290	1 75	507 50	10
Blacksmith	1	306	2 25	688 50	10
Copper platers	5	306	1 52	465 12	10
Die setters	3	306	1 68	508 08	10
Engineer	1	306	2 33	712 98	10
Foremen	17	302	2 94	887 88	9.8
Galvanizers	24	305	1 58	481 90	10
Helpers	7	306	1 35	413 10	8.8
Laborers	141	304	1 41	428 64	9.9
Machinists	9	306	2 71	829 26	10
Nailers	8	306	1 26	385 56	10
Packer	1	306	1 50	459 00	10
Painters	2	290	2 00	580 00	10
Pressmen	44	304	1 50	456 00	9.9
Riveters	12	306	1 30	397 80	10

TABLE IV_c—MANUFACTURES—TOLEDO—Continued.

TINWARE, SHEET-IRON AND GALVANIZED IRONWARE—13 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Sheet metal workers.....	13	306	\$2 15	\$ 657 90	10
Shipping clerks.....	4	294	1 93	567 42	10
Solderers.....	15	304	1 72	522 88	10
Stock clerks.....	4	306	1 90	581 40	10
Teamsters.....	4	303	1 62	490 86	9.7
Tinners.....	66	298	1 81	539 38	9.1
Tinners and slaters.....	11	300	2 50	750 00	8
Watchman.....	1	306	1 75	535 50	10

TOOLS—3 ESTABLISHMENTS.

Blacksmith.....	1	300	1 75	525 00	9
Grinder.....	1	300	1 65	495 00	9
Helpers.....	7	260	1 75	455 00	10
Laborer.....	1	300	1 60	480 00	9
Laborers (boys).....	2	300	50	150 00	9
Machinists.....	3	300	3 00	900 00	9
Polisher.....	1	300	1 60	480 00	9
Saw makers.....	3	260	2 50	650 00	10

WIRE RODS, WIRE CLOTH AND WIRE GOODS—2 ESTABLISHMENTS.

Carpenters.....	10	307	1 25	383 75	10
Gate and fence builders.....	2	257	2 00	514 00	10
Iron workers.....	6	307	2 00	614 00	10
Machinist.....	1	257	2 00	514 00	9
Reel helpers.....	1	257	1 00	257 00	9
Stay hanger.....	1	257	1 00	257 00	9
Wire workers.....	6	307	2 00	614 00	10

MISCELLANEOUS—23 ESTABLISHMENTS.

Apprentices.....	5	332	70	222 40	8.6
Assemblers.....	4	304	1 75	532 00	9
Blacksmith.....	1	350	2 50	875 00	9
Box makers.....	4	306	2 00	612 00	10
Braziers.....	2	270	2 75	742 50	10
Bricklayers.....	11	306	5 45	1,667 70	8.1
Candy maker.....	1	302	2 00	604 00	9
Carpenters.....	5	323	2 90	936 70	6
Carpet layers.....	3	300	1 75	525 00	10
Casser.....	1	300	1 50	450 00	8
Cooker.....	1	300	2 75	825 00	8
Coopers.....	6	300	2 25	675 00	10
Cutters.....	14	289	1 62	468 18	9.7
Delivery boy.....	1	306	50	153 00	10
Draughtsman.....	1	350	2 00	700 00	9
Drayman.....	1	300	2 00	600 00	10
Drill-press hand.....	1	304	1 80	547 20	9
Dryer.....	1	300	2 50	750 00	8
Electrician.....	1	170	4 00	680 00	8
Electrotyper.....	1	306	3 50	1,071 00	10
Electrotyper's helper.....	1	306	75	229 50	10
Engineers.....	4	311	2 25	699 75	9.7
Engraver.....	1	300	2 75	825 00	10
Engraver's helper.....	1	300	1 37	411 00	10
Finishers.....	8	274	1 90	520 60	10
Finishers' helpers.....	2	306	1 08	330 84	10
Fireman.....	1	300	1 75	525 00	10
Foremen.....	5	300	2 34	702 00	10
Framers.....	10	290	1 50	435 00	10
Fresco painter.....	1	307	3 25	997 75	8
Gilders.....	10	290	2 00	580 00	10
Grinders.....	3	270	1 75	472 50	10
Gunsmiths.....	12	270	2 75	742 50	10

TABLE IVe—MANUFACTURES—TOLEDO—Continued.

MISCELLANEOUS—23 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Gun stockers.....	4	270	\$2 50	\$ 675 00	10
Helpers.....	9	300	1 53	459 00	10
Laborers.....	70	295	1 93	569 35	9.3
Laborers (boys).....	10	300	1 10	330 00	10
Lathe hands.....	7	300	1 82	546 00	9.8
Machine hands.....	51	292	1 79	522 68	10
Machinists.....	48	300	2 09	627 00	9.6
Mechanics.....	2	300	2 25	675 00	9
Millwrights.....	5	350	2 75	962 50	9
Packers and helpers.....	14	306	1 35	413 10	10
Painters.....	15	302	2 03	613 06	9
Paper hangers.....	7	307	3 75	844 25	8
Pattern makers.....	11	295	3 15	929 25	9.9
Planers.....	4	300	1 65	495 00	10
Plater.....	1	304	3 00	912 00	9
Polishers.....	24	287	1 93	562 52	9.9
Porters.....	2	302	1 75	528 50	9
Pressman.....	1	300	2 50	750 00	10
Punch press hand.....	1	304	1 80	547 20	9
Safe workers.....	16	295	1 50	442 50	10
Shipping clerk.....	1	302	2 00	604 00	9
Teamsters.....	15	343	1 56	535 08	10
Telescope makers.....	2	306	1 50	468 00	10
Tool makers.....	4	304	3 35	1,018 40	9
Trunk makers.....	4	306	2 00	612 00	10
Warehouse man.....	1	365	2 00	730 00	10
Wood workers.....	13	300	2 50	750 00	8
Wood workers' helpers.....	13	300	1 50	450 00	8

TABLE IVe—MANUFACTURES—TOLEDO—Continued.

AWNINGS, TENTS AND FLAGS—3 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Awning and tent makers.....	16	306	\$ 98	\$ 299 88	10
Forewomen	2	298	1 25	372 50	9.7
Machine operators	30	302	1 00	302 00	9.9

BATH CABINETS—2 ESTABLISHMENTS.

Machine hands	19	300	1 05	315 00	9.3
Machine hands' helpers	6	300	45	135 00	9.5

BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—3 ESTABLISHMENTS.

Labelers	21	260	70	182 00	8
Painters	12	275	1 00	257 00	10
Press hands	2	260	1 00	260 00	9
Sewers	12	309	1 00	309 00	10
Stock keeper	1	275	1 25	343 75	10
Upholsterers	10	309	1 00	309 00	10

BOXES (PAPER)—3 ESTABLISHMENTS.

Box makers.....	41	297	66	196 02	9.7
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BOXES (WOODEN)—2 ESTABLISHMENTS.

Box makers.....	5	300	85	255 00	9.1
Suit holders.....	3	300	83	249 00	8.5

BREAD AND OTHER BAKERY PRODUCTS—3 ESTABLISHMENTS.

Icers	22	290	58	168 20	9
Packers.....	12	300	68	204 00	10
Shippers.....	4	290	62	179 80	9
Wrappers.....	5	175	65	113 75	5

BROOMS AND BRUSHES—3 ESTABLISHMENTS.

Brush makers	85	293	84	246 12	10
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CARRIAGES AND WAGONS—1 ESTABLISHMENT.

Sewing machine operators.....	2	300	1 00	300 00	10
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CHEWING GUM—2 ESTABLISHMENTS.

Wrappers.....	21	265	72	190 80	9.7
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CIGARS—7 ESTABLISHMENTS.

Cigar makers.....	5	271	1 80	487 80	8
Packer.....	1	300	1 65	495 00	8
Strippers	9	288	72	207 36	8.9

CLOTHING—31 ESTABLISHMENTS.

Button sewers.....	5	290	50	145 00	9
Cutters	2	300	1 25	375 00	9
Finishers.....	2	290	1 00	290 00	9
Forewomen	7	288	1 28	368 64	9
Handsewers.....	80	300	70	210 00	7
Inspectors.....	3	290	50	145 00	9
Helpers.....	9	298	86	256 28	9.2
Machine operators	521	201	85	170 85	8.1
Pressers	7	298	1 03	306 94	8.1
Pressers and folders	10	290	85	246 50	9
Skirt makers	13	266	90	239 40	8.6
Stock girls.....	5	290	60	174 00	9
Tailoresses	153	250	1 49	372 50	8.9
Trouser makers.....	2	303	1 62	490 86	10
Vest makers.....	21	303	1 41	427 23	9.7

TABLE IVe—MANUFACTURES—TOLEDO—Continued.

COFFEE, BAKING POWDER AND SPICES—2 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Advertising department hands.....	55	310	\$1 00	\$ 310 00	9
Packers.....	28	307	91	279 37	9.4
Spice department hands.....	15	310	1 05	325 50	9

COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—3 ESTABLISHMENTS

Finishers.....	22	285	86	245 10	9.7
Knitters.....	190	285	1 12	318 20	9.6
Machine operators.....	55	298	70	208 60	9
Winders.....	8	285	50	142 50	8

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—5 ESTABLISHMENTS.

Compounders.....	3	313	67	209 71	8
Laborers.....	2	332	63	209 16	7.5
Packers.....	6	280	60	168 00	9.6

ELECTRICAL GOODS AND MACHINERY—2 ESTABLISHMENTS.

Lacquerers.....	2	307	1 00	307 00	9
Inspectors.....	2	306	2 00	612 00	9
Press hands.....	7	306	1 50	459 00	9
Tapping machine hands.....	2	306	1 25	382 50	9

EXTRACTS, TOILET ARTICLES AND PERFUMERY—2 ESTABLISHMENTS.

Forewoman.....	1	306	1 00	306 00	9
Labelers.....	3	306	50	153 00	9
Laborer.....	1	300	75	225 00	8

FLOURING MILL PRODUCTS—1 ESTABLISHMENT.

Sack repairers.....	2	105	1 00	105 00	10
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FOUNDRY AND MACHINE SHOP PRODUCTS—2 ESTABLISHMENTS.

Laborers.....	22	300	54	162 00	10
Painters.....	8	300	80	240 00	10

FURNITURE—3 ESTABLISHMENTS.

Cutters.....	2	300	1 25	375 00	9
Fringe makers.....	2	300	1 00	300 00	9
Sewers.....	4	297	75	222 75	9.5

GLASS AND GLASSWARE—2 ESTABLISHMENTS.

Acid room helpers.....	30	209	63	131 67	10
Crackers off.....	15	209	1 17	244 53	10
Grinders.....	34	209	67	140 03	10
Packers and shippers.....	75	275	75	206 23	10
Paperers.....	28	209	53	110 77	10
Selectors' helpers.....	14	209	70	146 30	10
Stampers.....	9	209	65	135 85	10
Wipers.....	18	209	65	135 85	10

HATS, CAPS AND FURNISHINGS—2 ESTABLISHMENTS

Lining maker.....	1	301	68	204 68	9
Machine operators.....	3	301	1 25	376 25	9
Milliner.....	1	313	84	262 92	9
Trimmer.....	1	301	75	225 75	9

MACHINERY—1 ESTABLISHMENT.

Janitress.....	1	300	60	180 00	3
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TABLE IVe—MANUFACTURES—TOLEDO—Concluded.

MATTRESSES AND PILLOWS—2 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Seamstresses	5	310	\$1 14	\$ 343 40	10
Weaver.....	1	310	1 33	412 30	8

PAINTS AND VARNISHES—1 ESTABLISHMENT.

Labeler.....	1	308	1 00	308 00	10
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PICKLES, PRESERVES AND SAUCES—2 ESTABLISHMENTS.

Laborers.....	16	286	1 26	360 36	9.7
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PRINTING AND BINDING—7 ESTABLISHMENTS.

Binders.....	27	295	83	244 85	8.6
Box makers.....	7	280	84	235 20	8.5
Compositors.....	2	299	1 00	299 00	9
Die stampers.....	8	306	1 00	306 00	9
Folders.....	2	300	50	150 00	9
Labelers.....	6	308	60	184 80	10
Press feeders.....	5	306	60	183 60	9
Proof reader.....	1	306	1 50	459 00	9
Stitcher.....	1	306	1 10	336 60	10

SOAP, CANDLES AND TALLOW—1 ESTABLISHMENT.

Wrappers.....	5	300	60	180 00	10
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STENCILS, STAMPS AND SEALS—1 ESTABLISHMENT.

Compositor.....	1	306	1 00	306 00	6
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TINWARE, SHEET-IRON AND GALVANIZED IRONWARE—1 ESTABLISHMENT.

Helpers.....	43	306	57	174 42	10
Packers.....	14	306	70	214 20	10
Solderers.....	10	306	86	263 16	10
Stock clerks.....	4	306	63	192 78	10

MISCELLANEOUS—7 ESTABLISHMENTS.

Candy maker.....	1	302	75	226 50	9
Carpet sewer.....	1	300	1 00	300 00	10
Caser.....	1	300	80	240 00	8
Gilders.....	10	290	1 35	391 50	10
Laborers.....	7	300	74	222 00	10
Machine operators.....	65	288	71	402 48	10
Packers.....	25	300	1 00	300 00	8
Sorters.....	5	300	60	180 00	8
Stock keeper.....	4	302	1 00	302 00	8
Strippers.....	10	300	50	150 00	8
Telescope makers.....	12	306	75	229 50	9
Trunk makers.....	4	306	75	229 50	9

TABLE IV^{ee}—MANUFACTURES—TOLEDO—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Brick and tile.....	Temperers.....	2	8	
" " ".....	Temperers' helpers.....	2	8	
" " ".....	Tossers.....	1	7.8	
" " ".....	Tub tender.....	1	7.5	
" " ".....	Tub tenders.....	2	6.9	
" " ".....	Turn brick boys.....	2	13.7	
" " ".....	Turntable boys.....	6	17	
" " ".....	Truckers.....	14	9.5	
" " ".....	Truckers.....	6		
" " ".....	Watchmen.....	2	6.5	.08
" " ".....	Wheelers.....	27	7.7	
" " ".....	Yardmen.....	6	15	
Carriages and wagons.....	Blacksmiths.....	73	6.6	
" " ".....	Blacksmiths' helpers.....	44	7.3	
" " ".....	Carpenters.....	9	6	
" " ".....	Laborers.....	45	6	
" " ".....	Mechanics.....	21	6	
" " ".....	Painters.....	79	7	
" " ".....	Shipping clerks.....	4	6	
" " ".....	Trimmer.....	1	20	
" " ".....	Watchmen.....	3	6	
" " ".....	Wheelwright.....	1	25	
" " ".....	Wood workers.....	116	6.3	
" " ".....	Yard men.....	22	6	
Cigars.....	Cigar makers.....	35	10.5	
" " ".....	Strippers.....	4	20	
Clothing.....	Bushelman.....	1	7	
" " ".....	Coat makers.....	16	13.6	
" " ".....	Cutter.....	1	10	
" " ".....	Trouser makers.....	5	12.6	
" " ".....	Packers.....	2	10	
Drugs, chemicals and druggists' sundries... ..	Electricians.....	3	20	
Electrical goods and supplies.....	Packer's assistant.....	1	33.3	
Extracts, toilet articles and perfumery.....	Engineer.....	1	25	
Flouring mill products.....	Feeders.....	2	12.5	
" " ".....	Firemen.....	2	16.7	
" " ".....	Foreman.....	1	12.5	
" " ".....	Laborers.....	13	14.2	
" " ".....	Millers.....	4	4	
" " ".....	Oilers.....	8	3	
Foundry and machine shop products.....	Teamsters.....	4	11.3	
" " ".....	Core makers.....	80	5.1	
" " ".....	Engineers and firemen.....	7		10
" " ".....	Furnace men and helpers.....	43	7.5	
" " ".....	Laborers.....	700	5.8	
" " ".....	Machinists and helpers.....	18		10
" " ".....	Molders.....	265	4.6	
" " ".....	Pattern makers.....	18	9	
Furniture.....	Apprentices.....	4	10	
" " ".....	Cabinet makers.....	36	8.1	
" " ".....	Carvers.....	3	5	
" " ".....	Chair makers.....	4	10	
" " ".....	Chair makers' helpers.....	4	10	
" " ".....	Draughtsman.....	1	5	
" " ".....	Engineer.....	1	5	
" " ".....	Finishers.....	7	3.8	
" " ".....	Machine hands.....	48	10	
" " ".....	Machine hands' helpers.....	10	10	
" " ".....	Packers.....	4	8.5	
" " ".....	Upholsterer.....	1	10	
Glass and glassware.....	Cutters.....	175	5	
Hats, caps and furnishings.....	Blocker.....	1	20	
" " ".....	Lining cutter.....	1	17.5	
" " ".....	Machine operators.....	4	7.5	
Lime, sand, cement and plaster.....	Foremen.....	3	9.5	
" " ".....	Laborers.....	4	10	
" " ".....	Mortar mixers.....	8	10	
" " ".....	Plaster mixers.....	6	10	
Liquors (malt).....	Brewers.....	3	6.6	
" " ".....	Carpenters.....	14	9	
" " ".....	Cellarmen.....	16	6	
" " ".....	Engineers.....	4	10	

TABLE IV^{ee}—MANUFACTURES—TOLEDO—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Liquors (malt).....	Fermenters.....	6	5	.....
" ".....	Firemen.....	3	3.1	.....
" ".....	Foremen.....	4	5	.....
" ".....	Hostler.....	14	9	.....
" ".....	Kettlemen.....	3	4	.....
" ".....	Laborers.....	4	16.7	.....
" ".....	Peddlers.....	3	3	.....
Machinery.....	Blacksmiths.....	14	10	.....
" ".....	Blacksmiths' helpers.....	27	10	.....
" ".....	Carpenters.....	15	10	.....
" ".....	Carpenters' helpers.....	2	10	.....
" ".....	Die makers.....	33	10	.....
" ".....	Draughtsmen.....	2	10	.....
" ".....	Draughtsmen's assistant.....	1	10	.....
" ".....	Drayman.....	1	10	.....
" ".....	Engineers.....	2	10	.....
" ".....	Friemen.....	2	10	.....
" ".....	Foreman's assistants.....	8	10	.....
" ".....	Laborers.....	100	10	.....
" ".....	Machine hands.....	22	10	.....
" ".....	Machinists.....	175	10	.....
" ".....	Machinists' helpers.....	30	10	.....
" ".....	Molders.....	12	10	.....
" ".....	Molders' helpers.....	8	10	.....
" ".....	Receiving clerk.....	1	10	.....
" ".....	Shipping clerks.....	2	10	.....
" ".....	Store keepers.....	2	10	.....
" ".....	Teamster.....	1	10	.....
" ".....	Time keepers.....	2	10	.....
Marble and granite.....	Watchmen.....	4	10	.....
Oil and grease.....	Marble cutters.....	4	2	.....
Paints and varnishes.....	Stillmen.....	2	4	.....
" ".....	Compounder.....	1	49	.....
" ".....	Engineer.....	1	13.3	.....
Printing and binding.....	Tinter.....	1	24	.....
" ".....	Apprentices.....	2	10	.....
" ".....	Binders.....	5	5	.....
" ".....	Compositors.....	38	9.6	.....
" ".....	Machine operator.....	1	25	.....
" ".....	Press feeders.....	5	16	.....
" ".....	Proof reader.....	1	10	.....
Pumps.....	Pump fitters.....	22	7	.....
Sash, doors, lumber and interior finish.....	Carpenters.....	17	6.7	.....
" ".....	Engineer.....	1	1	.....
" ".....	Fireman.....	1	12.5	.....
" ".....	Foremen.....	2	7.7	.....
" ".....	Foreman's assistant.....	1	5	.....
" ".....	Inspector.....	1	1	.....
" ".....	Lumber handlers.....	7	5	.....
" ".....	Machine hands.....	14	10	.....
" ".....	Machine hands' helpers.....	6	15	.....
" ".....	Shipping clerks.....	2	9.7	.....
" ".....	Teamsters.....	3	3.7	.....
" ".....	Veneers.....	2	12.5	.....
Soda and mineral waters.....	Watchman.....	1	6.5	.....
" ".....	Bottler.....	1	10.8	.....
" ".....	Driver.....	1	11.4	.....
" ".....	Foreman.....	1	33	.....
" ".....	Labeller.....	1	9.6	.....
" ".....	Laborer.....	1	16	.....
Steel, iron and tin.....	Bushelers.....	21	5	.....
" ".....	Bushelers' helpers.....	21	5	.....
" ".....	Heaters.....	7	5	.....
" ".....	Heaters' helpers.....	7	5	.....
" ".....	Fuddlers.....	5	5	.....
" ".....	Fuddlers' helpers.....	5	5	.....
" ".....	Rollers.....	7	5	.....
" ".....	Roll hands.....	58	5	.....
" ".....	Run downs.....	7	5	.....
Tinware, sheet-iron and galvanized ironware.....	Bench workers.....	18	7	.....
" ".....	Drayman.....	1	7	.....
" ".....	Foreman.....	1	7	.....

TABLE IV_{ce}—MANUFACTURES—TOLEDO—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Tinware, sheet-iron and galvanized ironware	Galvanizers.....	5	7	.....
" " " " " " " "	Laborers.....	55	7	.....
" " " " " " " "	Packers and shippers.....	33	7	.....
" " " " " " " "	Painters.....	33	7	.....
" " " " " " " "	Press hands.....	33	7	.....
" " " " " " " "	Solderers.....	5	7	.....
Miscellaneous.....	Bronzers.....	2	10	.....
" " " " " " " "	Bricklayers.....	11	6.3	.....
" " " " " " " "	Carpenters.....	3	12.9	.....
" " " " " " " "	Cooker.....	1	10	.....
" " " " " " " "	Finishers.....	7	10	.....
" " " " " " " "	Grinders.....	3	10	.....
" " " " " " " "	Gunsmiths.....	12	10	.....
" " " " " " " "	Gun stockers.....	4	10	.....
" " " " " " " "	Laborers.....	25	10.5	.....
" " " " " " " "	Machinists.....	30	10	.....
" " " " " " " "	Painters.....	7	11	.....
" " " " " " " "	Paper hangers.....	7	20	.....
" " " " " " " "	Polishers.....	4	10	.....
" " " " " " " "	Punch-press hand.....	1	10	.....
" " " " " " " "	Teamsters.....	3	5	.....
" " " " " " " "	Tool makers.....	4	10	.....
" " " " " " " "	Warehouse man.....	1	5	.....
Totals and averages.....	.....	4,250	6.5	.....
		48	.....	10.3

TABLE IVf—MANUFACTURES—CITIES.

ADVERTISING NOVELTIES AND SIGNS—9 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentice.....	1	309	\$ 65	\$200 85	10
Artists.....	29	270	4 53	1,223 10	8
Benders.....	2	309	4 25	1,313 25	9
Carpenters.....	8	290	1 50	435 00	9
Cutters.....	10	292	1 57	478 44	9.1
Designer.....	1	308	1 75	539 00	10
Die pressmen.....	6	290	1 25	362 50	9
Enigneers.....	2	299	1 50	448 50	10.5
Engravers.....	2	152	3 30	501 60	8
Etcher.....	1	305	1 50	457 50	9
Feeders.....	6	298	1 10	327 80	9
Fireman.....	1	309	1 25	386 25	10
Foremen.....	3	305	1 83	558 15	9.6
Framer.....	1	305	1 75	533 75	9
Hammer man.....	1	300	2 50	750 00	10
Helpers.....	38	293	1 00	293 00	9
Janitor.....	1	305	33	100 65	2
Laborers.....	54	240	1 52	364 80	9.4
Laborers (boys).....	7	300	70	210 00	10
Leather workers.....	23	294	1 71	502 74	9
Lithograph department hands.....	24	290	4 50	1,305 00	8
Metal worker.....	1	300	3 50	1,050 00	10
Novelty workers.....	34	290	1 75	577 50	9
Packer.....	1	305	1 75	533 75	9
Faste room hand.....	1	300	1 25	375 00	9
Press feeders.....	15	249	1 49	371 01	9.2
Pressmen.....	14	243	3 65	876 95	9.1
Printers.....	15	301	2 05	617 05	9.2
Rule makers.....	7	298	1 30	387 40	9
Shipping clerks.....	5	302	1 59	480 18	9.2
Sign makers.....	120	298	1 63	485 74	9
Stencil makers.....	9	298	1 42	423 16	9
Stock helpers.....	3	299	1 93	577 07	9.5
Stone grinders.....	6	290	1 50	435 00	9
Tinners.....	21	300	1 25	375 00	9
Transferers.....	5	290	4 66	1,351 40	9
Watchmen.....	4	299	1 50	448 50	10
Wood workers.....	51	299	1 25	373 75	9

AGRICULTURAL IMPLEMENTS—27 ESTABLISHMENTS.

Apprentices.....	9	295	94	277 30	9.3
Assemblers.....	24	297	1 63	484 11	9.3
Blacksmiths.....	276	295	1 96	578 20	10
Blacksmiths' helpers.....	15	293	1 59	465 87	10
Boiler makers.....	153	299	1 63	487 37	10
Carpenters.....	160	297	1 86	552 42	10
Casting cleaners.....	12	305	1 40	427 00	9.2
Coal handlers.....	5	304	1 48	449 92	8
Core makers.....	53	298	1 75	521 50	9.9
Cupola tenders.....	5	292	1 73	505 16	9.8
Draughtsmen.....	4	303	3 28	993 84	10
Drill hands.....	25	305	1 46	445 30	9.3
Engineers.....	57	296	2 03	600 88	10
Erectors.....	113	300	1 38	414 00	10
Finishers.....	23	300	1 85	555 00	10
Ferrule department hands.....	9	285	1 60	456 00	9
Fireman.....	1	285	1 75	498 75	10
Fitters.....	9	281	2 13	598 53	10
Foremen.....	19	304	2 90	831 60	9.7
Forge hands.....	52	285	2 50	712 50	9
Foundry men.....	30	282	2 37	668 34	10
Grinders.....	27	262	1 96	513 52	10
Helpers.....	51	278	1 39	386 42	10
Iron workers.....	10	220	2 40	528 00	9.5
Laborers.....	1,016	285	1 52	433 20	10
Laborers (boys).....	8	301	86	258 86	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

AGRICULTURAL IMPLEMENTS—27 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Lumber handlers	20	304	\$1 48	\$449 92	8
Machine hands	65	300	1 40	420 00	9.2
Machinists	793	302	1 87	564 74	10
Molders	730	297	2 45	727 65	10
Packers	4	280	1 50	420 00	10
Painters	155	299	1 77	529 23	9.8
Pattern makers	66	303	2 41	730 23	10
Polishers	20	283	2 30	650 90	9.2
Rake makers	10	304	1 45	440 80	8
Sawyers	2	300	1 75	525 00	10
Setters-up	37	305	1 57	478 85	9.2
Shippers	5	283	1 84	520 72	9
Teamsters	6	289	1 56	450 84	9.6
Tinners	4	296	2 12	627 52	10
Warehouse man	1	300	2 00	600 00	10
Watchmen	8	292	1 77	516 84	10.2
Wood turners	2	290	3 75	1,087 50	10
Wood workers	248	299	1 77	529 23	9.7
Yard men	30	300	1 63	489 00	10

AWNINGS, TENTS AND FLAGS—1 ESTABLISHMENT.

Awning hangers	5	250	2 00	500 00	10
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BASKETS—3 ESTABLISHMENTS.

Basket makers	7	110	1 53	168 30	8.6
Engineers	2	191	1 75	334 25	9.5
Foreman	1	288	3 00	864 00	10
Helpers	10	230	1 05	241 50	9.7
Machine hands	7	205	1 75	360 75	9.5
Stockmen	3	288	1 50	432 00	10
Watchman	1	288	1 50	432 00	12

BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—9 ESTABLISHMENTS.

Assemblers	27	300	1 50	450 00	10
Bag makers	7	302	1 75	528 50	10
Blacksmiths	3	264	2 33	615 12	10
Braziers	2	297	2 25	668 25	10
Buffers	9	302	2 40	724 80	10
Club makers	9	297	3 00	891 00	10
Craters	3	298	1 66	494 68	10
Drillers	5	302	1 50	453 00	10
Enamelers	10	298	1 90	566 20	10
Engineers	4	300	2 06	618 00	10
Filers	5	297	2 50	742 50	10
Finishers	4	297	1 75	519 75	10
Fireman	1	297	1 75	519 75	13
Frame department hands	29	298	1 65	491 70	10
Furnace hands	3	298	1 83	545 34	10
Grip workers	5	302	1 50	453 00	10
Helpers	2	300	1 80	540 00	10
Inspectors	3	298	2 16	643 68	10
Laborers	44	254	1 80	457 20	10
Leather workers	15	302	2 00	604 00	10
Machine hands	41	299	1 76	526 24	10
Machinists	71	297	2 67	792 99	9.8
Mill hands	6	302	1 90	573 80	10
Packers	4	302	1 85	558 70	10
Painter	1	200	2 25	450 00	10
Platers	26	298	2 57	765 86	10
Polishers	25	300	2 43	729 00	10
Pressmen	16	302	1 75	528 50	10
Repairers	2	299	1 70	508 30	10
Shipper	1	297	2 50	742 50	10
Spring makers	5	302	1 75	528 50	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—9 ESTABLISHMENTS—
Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Stock hands.....	2	297	\$1 87	\$555 39	10
Tool makers.....	24	300	2 96	885 00	10
Watchmen.....	6	300	1 79	537 00	10.3
Wheel makers.....	5	297	1 85	549 45	10
Wood workers.....	8	302	2 00	604 00	10

BILLIARD TABLES, BAR AND STORE FIXTURES—4 ESTABLISHMENTS.

Cabinet maker.....	1	312	2 00	624 00	9
Finisher.....	1	312	2 00	624 00	9
Laborers.....	7	306	1 20	367 20	10
Machine hands.....	4	307	1 87	574 09	9.7
Machinist.....	1	275	2 00	550 00	9
Platers.....	4	298	1 85	551 30	9.7
Wood workers.....	40	300	2 15	645 00	9

BOILERS, ENGINES AND TANKS—70 ESTABLISHMENTS.

Apprentices.....	75	303	80	242 40	10
Blacksmiths.....	169	299	2 50	747 50	9.8
Blacksmiths' helpers.....	36	302	1 72	519 44	9.6
Boiler makers.....	398	291	2 61	759 51	9.7
Boiler makers' helpers.....	282	293	1 48	433 64	9.2
Calkers.....	7	307	3 00	921 00	10
Carpenters.....	133	295	2 55	752 25	9.9
Casting cleaner.....	1	300	1 75	525 00	10
Chippers.....	3	292	1 60	467 20	10
Core makers.....	83	304	2 41	732 64	9.8
Core makers' helpers.....	12	302	1 59	480 18	9.7
Crane men.....	13	306	2 60	795 00	11
Cupola tenders.....	9	305	2 33	710 65	9.8
Draughtsmen.....	54	304	2 29	696 16	9.5
Drawing department hands.....	3	310	2 25	697 50	9
Drill hands.....	4	293	1 80	527 40	10
Electricians.....	9	300	2 25	675 00	9.1
Engineers.....	32	295	2 13	628 35	9.4
Erectors.....	183	302	2 62	791 24	10
Experimental department hands.....	4	310	2 67	827 70	10
Firemen.....	10	302	1 70	513 40	10
Flangers.....	2	300	3 00	900 00	9
Flangers' helpers.....	4	300	2 00	600 00	9
Flask maker.....	1	300	1 75	525 00	10
Foremen.....	33	296	3 59	1,062 64	9.8
Foundry men.....	418	291	2 04	593 64	9.5
Handy men.....	13	293	1 92	562 56	10
Heaters.....	40	304	1 45	440 80	9.8
Helpers.....	249	292	1 53	446 76	9.9
Holders-on.....	32	307	2 25	690 75	10
Iron workers.....	225	307	2 75	844 25	10
Joiners.....	40	307	2 90	890 30	10
Laborers.....	1,476	302	1 55	468 20	9.9
Laborers (boys).....	33	305	75	228 75	10
Layers-out.....	2	300	3 50	1,050 00	9
Machine hands.....	172	299	1 84	550 16	9.6
Machinists.....	1,244	300	2 56	768 00	9.9
Machinists' apprentices.....	64	304	1 14	346 56	9.5
Machinists' helpers.....	141	303	1 70	515 10	9.5
Metal workers.....	20	300	2 25	675 00	9
Molders.....	391	303	2 69	815 07	9.6
Molders' apprentices.....	12	300	1 23	369 00	9
Molders' helpers.....	72	303	1 54	466 62	9.3
Painters.....	128	301	1 79	538 79	10
Pattern makers.....	131	303	2 38	721 14	9.9
Pattern makers' helpers.....	2	305	1 50	457 50	9
Piano plate department hands.....	141	284	2 04	579 36	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

BOILERS, ENGINES AND TANKS—70 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pipe fitters.....	4	307	\$1 64	\$503 48	10
Plumber.....	1	306	3 25	994 50	9
Plumber's helper.....	1	306	1 50	459 00	9
Polishers.....	8	308	2 50	770 00	10
Riveters.....	64	307	2 75	844 25	10
Rivet heaters.....	5	297	1 25	371 25	10
Sheet metal workers.....	2	306	2 25	688 50	10
Sheet metal workers' helpers.....	2	306	1 50	459 00	10
Shipping clerks.....	3	310	1 50	465 00	10
Strikers.....	5	299	1 62	484 38	10
Teamsters.....	8	300	1 62	486 00	9.4
Tinners.....	29	299	2 01	600 99	10
Tool makers.....	11	289	2 46	710 94	10
Vise hands.....	8	302	2 10	634 20	10
Ware cleaner.....	1	302	1 60	483 20	9
Wood workers.....	32	294	1 86	546 84	10
Watchmen.....	11	299	1 72	514 28	11.6

BOOTS AND SHOES—18 ESTABLISHMENTS.

Bottomers.....	583	275	1 65	453 75	9.8
Bottomers' helpers.....	154	283	84	237 72	10
Cutters.....	444	287	1 60	459 20	10
Cutters and apprentices.....	93	282	98	276 36	10
Cutter (boy).....	1	288	50	144 00	10
Engineers.....	3	297	1 83	543 51	10.7
Finishers.....	144	278	1 11	308.58	8.4
Fitters.....	45	291	1 48	430 68	9.9
Foreman.....	1	270	3 00	810 00	10
Heelers.....	6	270	1 50	405 00	10
Laborers.....	76	119	1 77	210 63	9.8
Laborers (boys).....	7	296	1 49	145 04	10
Lasters.....	585	298	1 70	506 60	9.5
Lasters and apprentices.....	38	283	1 60	452 80	10
Machine hands.....	19	296	1 58	467 68	10
Machinist.....	1	290	1 83	530 70	10
Packers.....	43	293	1 13	331 09	8.8
Pattern makers.....	2	300	1 50	450 00	10
Porters.....	2	300	1 25	375 00	10
Setter.....	1	288	1 00	288 00	10
Shoe makers.....	2	300	1 50	450 00	10
Slippers.....	9	262	1 12	293 44	10
Sole leather department hands.....	70	260	1 35	351 00	10
Stitchers.....	3	266	3 00	798 00	10
Stock-room employes.....	92	293	1 47	431 61	8.7
Stock-room hands and apprentices.....	69	283	1 00	283 00	10
Treers.....	28	261	1 54	399 94	10
Turn and welt room hands.....	43	286	2 11	603 46	10
Turn-room hands and apprentices.....	40	283	1 90	254 70	10
Watchmen.....	2	300	1 50	450 00	12

BOXES (PAPER)—7 ESTABLISHMENTS.

Box makers.....	6	305	1 60	488 00	9.6
Cutters.....	5	301	1 85	556 85	10
Engineer.....	1	275	1 75	481 25	10
Helpers.....	3	251	1 00	251 00	10
Foreman.....	1	251	2 66	667 66	10
Laborers (boys).....	10	275	80	200 00	10
Machine hands.....	8	251	1 50	376 50	10
Packer.....	2	308	55	169 40	10
Printer.....	1	275	2 00	550 00	10
Scorer.....	1	308	1 20	369 60	10
Shipping clerk.....	1	275	1 75	481 25	10
Stockmen.....	2	275	1 75	481 25	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

BOXES (WOODEN)—10 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Box makers.....	2	300	\$2 87	\$861 00	10 7/8
Engineers.....	3	301	1 90	571 90	10
Foremen.....	11	293	1 91	559 63	10
Laborers.....	60	287	93	266 91	10
Laborers (boys).....	16	260	75	195 00	10
Loom men.....	4	309	1 50	463 50	10
Lumber pilers.....	7	309	1 25	386 25	10
Machine hands.....	13	292	1 57	458 44	10
Nailers.....	12	276	1 56	430 56	10
Painters.....	2	309	1 35	417 15	10
Planers.....	2	309	1 25	386 25	10
Polisher.....	1	285	70	199 50	10
Printers.....	2	292	1 87	546 04	10
Saw filers.....	2	309	1 70	525 30	10
Sawyers.....	44	293	1 37	401 41	10
Tailors.....	21	309	69	213 21	10
Teamsters.....	10	299	1 37	409 63	10
Trimmers.....	5	300	74	222 00	9
Watchmen.....	2	309	1 42	438 78	12
Winder.....	1	309	60	185 40	10
Yardmen.....	36	287	1 50	430 50	10

BREAD AND OTHER BAKERY PRODUCTS—118 ESTABLISHMENTS.

Apprentices.....	8	307	81	248 67	9.5
Bakers.....	287	310	2 03	629 30	10.1
Bakers' helpers.....	20	309	1 40	432 60	9.8
Barrel maker.....	1	277	2 00	554 00	10
Boiler man.....	1	277	3 00	831 00	10
Box makers.....	4	288	1 87	509 76	10
Candy makers.....	2	305	1 75	533 75	10
Bench men.....	4	307	2 07	635 49	10
Clerks.....	16	327	1 74	568 98	9.4
Coopers.....	2	305	2 00	610 00	10
Cutter.....	1	365	2 00	730 00	10
Drivers.....	82	314	1 74	546 36	9.6
Engineers.....	5	308	2 01	619 08	10.4
Foremen.....	8	327	2 74	895 98	9.7
Headers and packers.....	6	285	1 15	327 75	10
Helpers.....	25	297	93	276 21	10
Hostlers.....	13	312	1 40	436 80	9.5
Ice cream maker.....	1	300	1 50	450 00	9
Icers.....	2	281	2 41	677 21	9.5
Janitor.....	1	365	1 50	547 50	10
Laborers (boys).....	10	330	85	280 50	10
Machine man.....	1	277	2 33	645 41	10
Mixers.....	7	282	2 24	631 68	9.2
Nailers.....	2	277	1 37	379 49	10
Packers and icers.....	7	305	1 68	512 40	10
Peeler.....	1	277	1 50	415 50	10
Oven men.....	16	284	1 74	494 16	9.1
Peddlers.....	2	300	1 75	525 00	10
Porters.....	3	285	1 88	535 80	10
Printer.....	1	313	75	234 75	10
Rollers.....	2	277	2 16	698 32	10
Rollers' helper.....	1	277	1 25	346 25	10
Shipping clerks.....	7	299	2 13	636 87	9.8
Stock hand.....	1	277	1 50	415 50	10
Teamsters.....	2	295	1 43	421 85	10
Truckmen.....	3	285	1 39	396 15	10
Watchmen.....	2	281	1 48	415 88	11

BRICK AND TILE—108 ESTABLISHMENTS.

Assorters.....	36	286	1 59	454 74	10
Blacksmiths.....	7	286	2 32	806 52	10
Blacksmiths' helper.....	1	227	1 65	374 55	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

BRICK AND TILE—108 ESTABLISHMENTS—Continued.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Blaster	1	306	\$1 60	\$489 60	10
Box department hands	8	300	2 00	600 00	10
Branch makers	2	243	2 25	546 75	10
Brick handlers	6	198	1 50	297 00	10
Bricklayers	11	216	4 20	907 20	9
Bricklayers' helpers	6	282	1 60	451 20	9
Brick makers	336	232	1 66	385 12	9.9
Burners	145	247	1 93	476 71	11
Carmen	4	275	1 60	440 00	10
Carpenters	8	289	2 40	693 60	9.5
Carriers	14	213	1 76	374 88	10
Cart drivers	17	205	1 35	278 75	10
Caser	1	120	1 50	180 00	10
Chemist	1	308	1 75	539 00	10
Clay miners	248	270	1 73	467 10	9.6
Coal miners	77	262	2 52	660 24	8
Cutters	2	306	2 00	612 00	10
Decorators	3	300	1 75	525 00	10
Designers	4	290	1 90	551 00	10
Dipper	1	308	2 00	616 00	10
Drawers	14	282	1 80	507 60	9
Dryer	1	198	1 50	297 00	10
Dumpers	10	162	1 87	302 94	8.5
Edgers	2	135	1 75	101 25	9
Engineers	99	250	2 16	540 00	9.9
Feeders	3	239	1 65	394 35	9.3
Feeders' assistant	1	276	1 50	414 00	10
Fillers	3	200	1 50	300 00	10
Firemen	57	259	1 82	471 38	10
Foremen	63	258	2 59	668 22	10
Gatherer	1	120	1 00	120 00	10
Gin hands	2	200	1 00	200 00	10
Glaziers	50	300	1 65	495 00	10
Grinders	20	300	2 50	750 00	10
Hackers	14	290	1 36	385 40	9.9
Hod carriers	5	135	2 00	270 00	9
Hostlers	3	198	1 50	297 00	10
Kiln hands	87	300	2 05	615 00	10
Laborers	2,111	259	1 57	406 63	9.8
Laborers (boys)	25	223	1 83	185 09	8.9
Loaders	84	268	1 59	426 12	9.4
Machine hands	36	253	1 67	389 11	9.5
Machinists	26	284	2 41	684 44	10.2
Mechanics	3	290	2 75	797 50	10
Mill tenders	15	210	1 62	340 20	10
Mixer	1	276	2 00	552 00	10
Mosaic department hands	9	300	1 35	405 00	10
Molders	54	234	1 85	432 90	9
Off-bearers	72	244	1 19	290 36	8.9
Packers	38	298	1 63	485 74	10
Pallet boys	4	125	90	112 50	9.5
Pan men	33	263	1 57	412 91	9.7
Pasters	5	290	1 25	362 50	10
Pit tenders	13	249	1 66	413 34	9.2
Placers	4	308	1 50	462 00	10
Preparers	9	290	1 50	435 00	10
Pressmen	155	280	1 60	448 00	10
Press oilers	2	295	1 65	486 75	10
Pug-mill hands	4	201	1 72	345 72	9
Quarrymen	44	217	1 74	377 58	10
Repairs	3	305	2 15	655 75	10
Roll feeder	1	198	1 60	316 80	10
Sagger makers	10	300	2 02	606 00	9.9
Sanders	11	146	1 53	223 38	8.6
Screeners	2	231	1 00	231 00	10
Setters	181	252	1 92	483 84	9.9
Shooters	5	295	2 00	590 00	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

BRICK AND TILE—108 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Shovelers	54	254	\$1 68	\$426 72	10
Sizers	4	308	1 00	308 00	10
Slip department hands	15	300	2 50	750 00	10
Sorters	2	308	1 83	255 64	10
Stock hands	6	290	1 35	391 50	10
Strikers	5	147	2 06	302 82	9.1
Teamsters	67	211	1 63	343 93	9.9
Teamsters (with team)	14	184	4 00	736 00	10
Temperers	11	163	1 72	280 36	9.4
Tile makers	20	261	1 43	353 23	10
Timekeeper	1	305	1 65	503 25	10
Tossers	6	246	1 58	388 68	9.6
Transferers	6	211	1 71	360 81	10
Truckers	24	152	1 67	253 84	9.3
Watchmen	7	296	1 74	515 04	10.8
Wheelers	259	248	1 68	416 64	9.9
Yard men	30	150	1 30	195 00	9.9

BROOMS AND BRUSHES—18 ESTABLISHMENTS.

Apprentice	1	280	1 25	350 00	10
Broom makers	50	236	2 04	481 44	9.4
Brush makers	38	299	1 92	574 08	9.9
Buncher	1	297	1 25	371 25	9
Engineers	2	286	1 50	429 00	10
Foremen	2	300	3 00	900 00	10
Handlers	4	273	1 38	376 74	10
Helper	1	300	1 50	150 00	10
Laborers	22	290	1 11	321 90	10
Painters	4	170	1 25	212 50	10
Sewers	32	277	2 09	578 93	10
Shipping clerk	1	273	2 00	546 00	10
Sizers	4	273	1 10	300 30	10
Sorters	17	212	1 19	464 28	10
Sorters (boys)	48	294	1 69	202 80	9.9
Teamster	1	273	1 50	409 50	10
Tyers	53	295	2 10	619 50	9.8
Watchman	1	170	1 28	217 60	11
Winders	11	294	2 00	588 00	10

CANNED GOODS—18 ESTABLISHMENTS.

Can makers	34	236	1 69	397 94	9
Canners	429	160	1 50	240 00	11
Canners (boys)	156	236	60	141 60	10
Capper	1	98	1 75	171 50	10
Carriers	3	98	1 25	122 50	10
Cook	1	48	1 50	72 00	10
Corn huskers	220	63	1 07	67 41	10
Cutters	2	48	1 50	72 00	10
Dairy department hands	9	365	1 20	438 00	11
Engineers	6	159	2 00	318 00	11.2
Feeders	10	48	1 25	60 00	10
Fillers	3	64	1 50	96 00	10
Fireman	1	48	2 00	96 00	14
Foreman	2	231	3 25	750 75	9.5
Handlers	40	70	1 25	87 50	10
Helpers (boys)	400	70	40	28 00	10
Kettle man	1	48	1 75	84 00	12
Laborers	210	125	1 33	166 25	10
Machine hands	26	69	1 51	109 71	10
Packers	5	156	1 40	218 40	10
Patcher	1	98	1 75	171 50	10
Power hoist hand	1	98	1 50	147 00	10
Processors	50	48	1 50	72 00	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

CANNED GOODS—18 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Scalders	2	73	\$1 62	\$118 26	10
Shipping clerks	2	156	1 50	234 00	10
Silker	1	48	1 50	72 00	10
Tank men	12	74	1 89	139 86	10
Teamster	1	275	1 50	412 50	10
Tester	1	48	1 25	60 00	10
Tippers	12	71	1 54	109 34	10
Truck men	45	59	1 25	73 75	10
Warehouse men	13	76	1 44	109 44	9.5

CARRIAGES AND WAGONS—113 ESTABLISHMENTS.

Assemblers	22	309	2 25	695 25	10
Belt Sanders	2	290	2 00	580 00	10
Blacksmiths	462	285	1 93	550 05	9.7
Blacksmiths' helpers	77	295	1 46	430 70	9.8
Body makers	15	300	2 07	621 00	9.2
Craters	20	284	1 51	428 84	8.9
Dash department hands	5	309	2 50	772 50	10
Emery grinders	9	290	2 25	652 50	10
Engineers	18	281	1 85	519 85	9.5
Erectors	7	304	1 67	507 68	10
Firemen	8	298	1 52	452 96	10
Forgers	2	310	3 50	1,085 00	10
Foremen	15	290	3 00	870 00	10
Foundry men	8	266	1 82	484 12	9
Gear makers	2	312	1 85	577 20	8
Hammer men	5	290	2 00	580 00	10
Harness maker	1	300	1 50	450 00	10
Heaters	5	290	1 00	290 00	10
Helpers	2	300	1 25	375 00	10
Laborers	194	295	1 35	398 25	9.6
Machine hands	120	293	1 72	503 96	9.8
Machinists	13	272	1 92	522 24	9.1
Packers	18	272	1 62	440 64	9.7
Painters	579	286	1 95	557 70	9.5
Painters' helpers	26	285	1 13	322 05	9.5
Pattern makers	2	290	2 50	725 00	10
Press worker	1	300	2 00	600 00	10
Punch and shear hands	10	290	2 00	580 00	10
Setters-up	9	278	1 50	417 00	9.6
Shaft department hands	3	309	2 00	618 00	10
Shippers	24	276	1 57	433 32	9.7
Stock keepers	10	309	1 50	463 50	10
Teamsters	13	294	1 50	441 00	9.8
Trimmers	257	286	2 04	583 44	9.5
Trimmers' helpers	9	294	1 26	370 44	9.9
Wagon makers	8	301	2 46	740 46	9.8
Warehouse men	7	271	1 84	498 64	9.1
Watchmen	7	273	1 36	371 28	11
Wheel makers	19	300	1 57	471 00	8.5
Wood workers	281	284	1 87	531 08	9.5
Wood workers' helpers	3	306	1 33	409 64	10
Yard hands	15	288	1 54	443 52	8.6

CARRIAGE AND WAGON MATERIALS—33 ESTABLISHMENTS.

Assorters	15	297	1 75	519 75	10
Belters	20	297	1 75	519 75	10
Bench hands	30	261	1 93	503 73	10
Benders	23	292	1 65	481 80	10
Blacksmiths	91	296	2 41	713 36	9.9
Blacksmiths' helper	1	274	1 50	411 00	10
Body makers	18	280	2 75	770 00	10
Bolters	11	272	1 55	421 60	10
Craters	2	274	1 62	443 88	10
Drillers	2	272	1 25	340 00	10

TABLE IVf—MANUFACTURES—CITIES—Continued.
CARRIAGE AND WAGON MATERIALS—33 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Engineers.....	17	270	\$2 08	\$561 60	10
Finisher.....	1	300	2 00	600 00	10
Firemen.....	7	282	1 72	485 04	10
Fitters.....	9	268	2 38	771 84	9.1
Foremen.....	27	274	2 44	668 56	9.9
Forgers.....	35	264	2 26	596 64	10
Grinders.....	12	268	2 00	536 00	9
Hammer man.....	1	274	2 00	548 00	10
Handle makers.....	5	305	1 50	457 50	10
Heater men.....	1	274	2 00	548 00	10
Helpers.....	11	266	1 03	273 98	10
Hub makers.....	25	305	1 50	457 50	10
Inspectors.....	4	286	1 80	514 80	10
Laborers.....	474	270	1 43	386 10	9.9
Laborers (boys).....	14	252	70	176 40	10
Leather workers.....	82	304	1 75	532 00	10
Machine hands.....	191	281	1 70	477 70	10
Machinists.....	16	279	2 42	675 18	10
Mechanics.....	9	262	1 77	463 74	10
Mill men.....	51	272	2 11	573 92	9.9
Packers.....	20	296	1 10	325 60	10
Painters.....	3	270	1 91	515 70	9.5
Pinner.....	1	272	2 50	680 00	10
Planer.....	1	250	1 50	375 00	10
Pole ironers.....	20	274	1 61	441 14	10
Polisher.....	1	300	1 00	300 00	10
Punchers.....	2	272	1 75	441 14	10
Reed workers.....	6	250	2 00	500 00	10
Rim makers.....	35	305	1 50	457 50	10
Rounders.....	10	297	1 75	519 75	10
Sawyers.....	36	286	1 58	451 88	10
Sheepers.....	3	272	1 50	408 00	10
Shippers.....	3	285	1 83	521 55	10
Spoke makers.....	90	305	1 50	457 50	10
Steel workers.....	9	284	1 50	426 00	10
Sticker.....	1	284	1 75	497 00	10
Stock keeper.....	1	274	1 45	387 30	10
Teamsters.....	7	295	1 81	533 95	10
Timber buyer.....	1	305	2 00	610 00	10
Turners.....	12	281	1 85	519 85	9.5
Trimmer.....	1	300	1 50	450 00	10
Watchmen.....	9	291	1 44	419 04	9.3
Wheel makers.....	25	305	1 50	457 50	10
Wood workers.....	75	297	1 04	308 88	9.9
Yard men.....	33	306	1 40	428 40	10

CARS AND CAR FURNISHINGS—3 ESTABLISHMENTS.

Air brakemen.....	2	225	3 60	810 00	9.5
Blacksmiths.....	41	295	1 96	578 20	10
Cabinet makers.....	42	310	250	775 00	10
Car builders.....	80	305	2 50	762 50	10
Carpenters.....	3	305	2 50	762 50	10
Draughtsmen.....	5	305	2 50	762 50	10
Electricians.....	6	311	3 00	933 00	10
Engineers.....	5	276	2 48	682 48	10
Erectors.....	49	323	2 78	897 94	10
Firemen.....	5	312	1 84	574 08	10.8
Foremen.....	3	225	2 80	630 00	10
Glaziers.....	3	305	2 25	686 25	10
Laborers.....	55	297	1 55	460 35	9.9
Machine hands.....	29	248	2 48	615 04	9.8
Machinists.....	45	305	2 34	713 70	10
Painters.....	75	303	2 25	681 75	10
Pattern makers.....	2	305	3 00	915 00	10
Pipe fitters.....	3	305	2 50	762 50	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

CARS AND CAR FURNISHINGS—3 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Repairers	86	225	\$2 50	\$562 50	9.5
Storehouse employes	2	225	2 00	450 00	10
Teamsters	2	305	2 50	762 50	10
Tinsmiths	5	312	2 35	733 20	10
Truck men	10	257	2 20	565 40	9.7
Watchmen	3	257	1 82	467 74	10.6
Wood workers	18	323	2 50	807 50	10

CHEWING GUM—3 ESTABLISHMENTS.

Driver	1	70	1 00	70 00	10
Engineer	1	270	1 75	472 50	10
Gum maker	1	253	3 00	759 00	10
Helper	1	270	1 50	405 00	10
Machinist	1	270	2 50	675 00	10
Mixers	2	270	2 12	572 40	10
Packer	1	270	1 75	472 50	10
Roller	1	253	1 50	379 50	10
Watchman	1	270	1 75	472 50	13

CHURNS—2 ESTABLISHMENTS.

Laborers	5	220	1 20	264 00	10
Painter	1	300	1 50	450 00	10
Wood workers	4	300	1 50	450 00	10

CIGARS—147 ESTABLISHMENTS.

Apprentices	30	289	78	225 42	8.7
Banders	10	190	35	66 50	9
Bunch breakers	2	281	1 15	323 15	9
Bunchers	13	295	1 01	297 95	8.9
Casers	6	293	1 10	322 30	8.3
Cigar makers	401	288	1 98	570 24	9.5
Cutter	1	305	1 25	381 25	10
Foremen	15	232	2 34	542 88	9.3
Helpers	6	302	82	247 64	9
Laborers	18	244	1 50	366 00	9.5
Laborers (boys)	9	293	64	187 52	9.7
Packers	30	289	2 09	604 01	9.3
Porter	1	292	1 92	560 64	10
Pressmen	2	298	1 37	408 26	10
Rollers	151	230	1 72	481 60	9.4
Shipper	1	292	1 67	487 64	10
Strippers	100	267	72	192 24	9.1

CLOTHING—193 ESTABLISHMENTS.

Apprentices	3	300	69	207 00	9
Baster	1	280	4 17	1,167 60	9
Bushelmen	9	198	1 16	229 68	9.8
Button-hole maker	1	253	2 50	632 50	9
Chopper	1	175	1 50	262 50	9.5
Clerks	4	300	1 85	555 00	10
Coat makers	401	296	2 49	732 06	9.4
Cutters	73	323	2 74	885 02	10.7
Engineers	3	298	2 00	596 00	9.8
Errand boys	2	287	70	200 90	9.5
Helpers	10	289	1 11	298 50	9.4
Janitors	2	290	1 62	469 80	9.5
Machine operators	4	294	2 70	793 80	9.7
Packers	2	287	1 62	464 94	9
Pants makers	67	295	1 93	572 35	9.3
Piece worker	1	250	2 50	625 00	10
Pressers	18	281	1 78	500 18	9.6
Repairers	2	300	1 33	399 00	9
Shirt makers	2	300	1 75	525 00	9

TABLE IVf—MANUFACTURES—CITIES—Continued.

CLOTHING—193 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Stock boys.....	20	303	\$1 25	\$378 75	10
Stock keeper.....	1	300	3 00	900 00	10
Suspender maker.....	1	300	1 75	525 00	9
Tailors.....	92	274	2 35	643 90	9.5
Trimmers.....	7	280	2 15	602 00	9.4
Vest makers.....	17	292	1 77	516 84	8.5
Watchmen.....	6	300	1 50	450 00	10

CLOTHES WRINGERS AND WASH BOARDS—3 ESTABLISHMENTS.

Laborers.....	10	306	1 28	391 68	10
Machine hands.....	5	306	1 50	453 00	9

COFFEE, BAKING POWDER AND SPICES—3 ESTABLISHMENTS.

Foreman.....	1	156	1 66	258 96	10
Laborers.....	2	262	1 00	262 00	10
Roaster.....	1	90	1 75	157 50	10

COFFINS AND BURIAL CASES—4 ESTABLISHMENTS.

Box makers.....	2	300	1 87	561 00	9
Casket makers.....	6	293	1 79	524 27	9
Cloth workers.....	6	296	1 75	518 00	9
Coverer.....	1	290	1 00	290 00	9
Engineer.....	1	310	2 50	775 00	10
Fireman.....	1	290	1 75	507 50	10
Foreman.....	1	312	2 90	904 80	9.5
Glue worker.....	1	312	1 50	468 00	9.5
Grainers.....	4	290	1 75	507 50	9
Laborers.....	58	296	1 46	432 16	9
Machine hands.....	11	294	1 87	549 78	9
Metal workers.....	26	296	1 85	547 60	9
Painters.....	12	296	1 75	518 00	9
Platers.....	6	296	1 60	473 60	9
Polishers.....	12	296	2 25	666 00	9
Teamster.....	1	290	1 50	435 00	10
Tinners.....	18	296	1 90	562 40	9
Trimmers.....	5	310	2 00	620 00	10
Varnisher.....	1	310	1 75	542 50	10
Watchman.....	1	290	1 50	435 00	10
Wood workers.....	33	294	1 97	579 18	9.2
Yard hands.....	2	290	1 50	435 00	10

CONFECTIONERY—23 ESTABLISHMENTS.

Apprentice.....	1	125	50	62 50	12
Baker.....	1	313	3 00	939 00	10
Baker's helper.....	1	313	1 00	313 00	10
Candy makers.....	47	288	1 96	564 48	10
Candy makers' helpers.....	3	330	1 16	382 80	10
Clerks.....	2	322	1 85	595 70	10
Drivers.....	10	350	1 35	472 50	9.9
Foremen.....	3	300	2 33	699 00	10
Helpers.....	15	290	93	269 70	9.9
Ice cream makers.....	6	322	1 80	579 60	10
Laborers.....	3	343	1 58	541 94	10
Porter.....	1	310	1 33	412 30	10
Shipper.....	1	308	2 25	693 00	10

COOPERAGE—28 ESTABLISHMENTS.

Box filler.....	1	252	1 35	340 20	10
Box makers.....	2	306	2 00	612 00	9
Coilers.....	2	241	1 87	470 60	10
Coopers.....	248	281	1 97	553 57	9.5
Crate makers.....	2	303	1 75	530 25	9

TABLE IVf—MANUFACTURES—CITIES—Continued.

COOPERAGE—28 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Culler	1	252	\$1 35	\$340 20	10
Engineers	7	275	1 77	486 75	10
Feeder	1	230	1 50	345 00	10
Firemen	5	270	1 55	418 50	10
Foremen	8	272	1 86	505 92	10
Helpers	16	300	1 71	513 00	10
Hoop carrier	1	252	1 25	315 00	10
Hoop cutter	1	252	2 00	504 00	10
Janitors	4	250	3 00	750 00	10
Laborers	134	251	1 53	384 03	9.9
Lappers	2	241	1 75	421 75	10
Loaders	3	252	1 35	340 20	10
Log hoister	1	252	1 25	315 00	10
Machine hands	71	285	1 68	478 80	10
Off bearer	1	252	1 25	315 00	10
Oiler	1	252	1 25	315 00	10
Piler	1	230	1 50	345 00	10
Planer	1	252	1 25	315 00	10
Sawyers	17	278	2 05	569 90	9.6
Setter	1	252	1 25	315 00	10
Sorters	2	230	1 50	345 00	10
Stave cutters	2	275	3 00	825 00	10
Stave jointer	1	252	2 00	504 00	10
Tank maker	1	239	1 50	358 50	10
Teamsters	15	276	1 56	430 56	9.8
Timber cutters	8	250	1 50	375 00	10
Watchman	1	252	1 25	315 00	10
Wood workers	7	294	2 00	588 00	9.7

COPPER AND BRASS GOODS—10 ESTABLISHMENTS.

Apprentices	3	290	1 25	362 50	10
Blacksmiths	2	299	2 32	693 68	9.5
Carpenters	9	300	1 90	570 00	10
Coppersmiths	5	301	2 52	578 52	9.8
Coppersmiths' helpers	2	305	2 12	646 60	10
Core makers	6	303	1 75	530 25	10
Engineers	3	300	2 50	750 00	10
Finishers	102	300	2 04	602 00	10
Firemen	3	300	2 00	600 00	10
Helpers	3	301	1 38	415 38	9.6
Janitors	4	300	1 50	450 00	10
Laborers	53	300	1 39	417 00	10
Laborers (boys)	3	304	75	228 00	10
Machinists	106	300	2 23	669 00	10
Molders	78	300	2 30	690 00	10
Pattern makers	13	304	2 53	769 12	10
Planishers	2	305	2 25	686 25	10
Planishers' helpers	2	120	1 25	150 00	10
Platers	3	298	2 00	596 00	10
Plumbers	2	300	2 50	750 00	10
Shippers	12	300	1 50	450 00	10

CORDAGE AND TWINE—3 ESTABLISHMENTS.

Apprentices	6	296	80	236 80	10
Ballers and packers	51	324	1 25	405 00	10
Carpenters	6	365	2 00	730 00	10
Cordage department hands	140	296	1 25	370 00	11
Engineers	7	345	2 42	834 90	10
Firemen	5	365	1 45	529 25	10
Foremen	13	365	2 10	766 50	10
Laborers	29	212	1 51	320 12	10
Machinists	23	326	2 36	769 36	10
Preparers	257	317	1 16	367 72	10
Rope makers	39	365	1 29	470 85	10
Spinners	45	273	1 28	349 44	10
Watchmen	4	348	1 45	504 60	12

TABLE IVf—MANUFACTURES—CITIES—Continued.
COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—17 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Beamers.....	2	310	\$1 65	\$511 50	10
Bleachers.....	3	308	1 50	462 00	10
Burlers.....	4	180	1 00	180 00	10
Carders.....	31	284	1 41	400 44	10
Card boys.....	2	125	2 50	62 50	10
Carpenter.....	1	303	2 50	757 50	10
Cutters.....	2	270	1 25	337 50	10
Designer.....	1	303	3 25	984 75	10
Drawer.....	1	303	2 40	727 20	10
Dressers.....	6	303	1 87	566 61	10
Dyers.....	11	257	1 92	493 44	10
Elevator boy.....	1	310	85	263 50	10
Engineers.....	11	290	2 01	582 90	10
Finishers.....	53	293	1 54	451 22	10
Firemen.....	3	246	1 53	376 38	10
Foremen.....	14	259	2 64	683 76	10
Helpers.....	10	217	1 00	217 00	10
Knitters.....	5	292	2 75	803 00	10
Laborers.....	13	292	1 38	402 96	10
Loom fixers.....	10	304	1 57	477 28	10
Machinists.....	5	302	2 70	815 40	10
Machine operators.....	6	306	1 50	459 00	10
Millwright.....	1	305	2 50	762 50	10
Nappers.....	3	308	1 50	462 00	10
Oilers.....	2	303	78	236 34	10
Picker and card room hands.....	7	303	1 39	421 17	10
Picker (boy).....	1	305	1 00	305 00	10
Piecers.....	2	305	96	292 80	10
Shipping clerks.....	6	302	1 48	446 96	10
Spinners.....	25	291	1 43	416 13	10
Warpers.....	3	303	1 83	554 49	10
Wash-room hands.....	5	271	1 19	322 49	10
Watchmen.....	5	277	1 54	426 58	10
Weavers.....	31	277	1 63	451 51	10
Winder.....	1	125	50	62 50	10
Wool sorters.....	14	306	1 96	599 76	10

CUTLERY AND EDGE TOOLS—5 ESTABLISHMENTS.

Apprentices.....	20	300	1 25	375 00	9
Assemblers.....	44	265	1 75	463 75	9.5
Buffers.....	11	259	2 06	527 54	9.5
Cutlers.....	12	300	3 50	1,050 00	9
Die maker.....	1	300	1 75	525 00	10
Engineer.....	1	262	2 50	655 00	9.5
Fitters.....	30	262	2 65	694 30	9.5
Foreman.....	1	230	2 50	575 00	10
Forgers.....	16	266	2 50	665 00	8.3
Grinders.....	35	267	3 00	801 00	9
Handle man.....	1	230	1 75	402 50	10
Hardener.....	2	300	2 50	750 00	10
Knife makers.....	240	240	1 65	396 00	10
Laborers.....	37	251	1 58	396 58	9.6
Machinists.....	13	265	2 09	553 85	9.6
Packers.....	10	262	1 50	393 00	9.5
Photographer.....	1	300	2 66	798 00	8
Plater.....	1	230	1 75	402 50	10
Polishers.....	117	264	2 00	528 00	9.5
Printer.....	1	300	2 50	750 00	9
Razor makers.....	4	240	2 25	540 00	10
Ruffers.....	3	230	1 75	402 50	10
Scrubbers.....	2	230	75	172 50	10
Shear makers.....	90	240	2 25	540 00	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

DAIRY PRODUCTS—8 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Butter makers.....	11	311	\$1 59	\$494 49	10
Churn man.....	1	180	2 00	360 00	10
Drivers.....	3	303	1 33	402 99	10
Engineer.....	1	180	2 00	360 00	10
Freezer.....	1	300	2 00	600 00	8
Laborers.....	34	291	1 50	436 50	9.4
Oil treater.....	1	180	2 00	360 00	10
Weighers.....	2	365	1 20	438 00	12

DENTAL AND SURGICAL CHAIRS—3 ESTABLISHMENTS.

Bench hands.....	6	306	2 75	841 50	10
Blacksmith.....	1	306	2 25	688 50	10
Cabinet makers.....	12	306	2 50	765 00	10
Enameler.....	1	290	2 75	797 50	10
Engineer.....	1	306	2 50	765 00	10
Finishers.....	4	306	2 25	688 50	10
Grinders.....	2	289	2 00	578 00	9
Laborers.....	21	303	1 74	527 22	9.9
Machinists.....	40	301	2 26	680 26	10
Painters.....	14	303	2 07	627 21	9.8
Platers.....	3	297	2 33	650 07	9
Polishers.....	6	300	2 03	609 00	8.3
Teamster.....	1	306	1 75	535 50	10
Upholsterers.....	3	295	2 50	737 50	9.6

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—25 ESTABLISHMENTS.

Belt maker.....	1	260	1 25	325 00	9
Bottle washers.....	2	302	62	187 24	9.2
Carpenter.....	1	348	2 50	870 00	10
Chemists.....	2	303	2 16	654 48	10
Firemen.....	2	348	2 00	696 00	12
Foremen.....	3	303	2 21	669 63	9.3
Grinders.....	2	348	2 00	696 00	10
Janitor.....	1	365	1 59	580 35	7.5
Labeler.....	1	300	1 00	300 00	10
Laboratory hands.....	2	160	2 25	360 00	8
Laborers.....	38	314	1 55	486 70	10
Machinists.....	5	317	1 96	621 32	10
Mixers.....	4	290	2 71	785 90	10
Molders.....	2	348	2 45	852 60	10
Packers.....	6	302	1 56	471 12	8.8
Painters.....	4	310	1 62	502 20	10
Porter.....	1	300	1 25	375 00	8
Press feeders.....	2	305	1 00	305 00	9
Printer.....	1	310	75	232 50	10
Shippers.....	3	323	1 55	500 65	9.1
Still men.....	3	348	2 00	696 00	12
Wrappers.....	4	311	1 22	379 42	10

ELECTRICAL GOODS AND SUPPLIES—26 ESTABLISHMENTS.

Apprentices.....	10	307	97	297 79	9.4
Armature winders.....	4	295	2 15	634 25	10
Assemblers.....	18	308	1 59	489 72	9.7
Builders and constructors.....	19	306	2 60	795 60	8
Burners.....	4	285	1 80	513 00	10
Cappers.....	8	294	1 61	473 34	10
Carpenters.....	3	300	1 58	474 00	9.3
Cleaners.....	2	285	1 00	285 00	10
Draughtsmen.....	4	305	2 00	610 00	9
Electricians.....	27	300	1 88	564 00	9.4
Engineers.....	10	282	2 08	586 56	10
Erectors.....	29	306	1 50	459 00	9
Exhausters.....	3	294	2 00	588 00	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

ELECTRICAL GOODS AND SUPPLIES—26 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Finishers	13	285	\$1 75	\$498 75	10
Firemen	2	292	1 76	513 92	12
Foremen	16	293	2 68	785 24	10
Furnace hands	2	235	1 70	399 50	10
Glass cutter	1	294	1 00	294 00	10
Glass workers	6	283	2 16	611 28	10
Inspector	1	294	2 00	588 00	10
Japanners	9	306	2 10	642 60	9
Laboratory hands	4	285	1 50	427 50	10
Laborers	313	283	1 87	529 21	9.9
Laborers (boys)	9	302	1 85	558 70	10
Lamp department hands	104	292	1 71	499 32	9.5
Machine hands	7	340	1 25	425 00	10
Machinists	130	299	2 11	630 89	9.3
Milling department hands	9	262	1 68	440 16	10
Millwright	1	302	1 75	528 50	10
Miniature department hands	4	285	2 25	641 25	10
Molders	100	283	1 06	554 68	10
Oven department hands	5	285	1 50	427 50	10
Packers	9	269	1 29	347 01	10
Painters	3	301	1 95	586 95	9.3
Pattern makers	4	296	2 62	775 52	9
Photometer department hand	1	285	1 60	456 00	10
Platers	5	255	1 50	382 50	10
Pressmen	4	235	1 35	317 25	10
Pump room hands	10	285	1 50	427 50	10
Refilling department hands	5	285	1 60	456 00	10
Repairers	4	294	2 30	676 20	10
Scrapers	7	270	1 28	345 60	10
Shippers	2	297	1 71	507 87	9.5
Solderer	1	300	1 50	450 00	10
Sorters	5	255	1 25	318 75	10
Store keeper	1	305	1 33	405 65	9
Teamsters	2	300	2 12	636 00	9.5
Transformer department hands	10	306	2 10	642 60	10
Tube makers	7	276	1 69	466 44	10
Watchmen	4	283	1 49	421 67	12.2
Winders	17	303	1 79	542 37	9.2

ELEVATORS AND HOISTING MACHINERY—2 ESTABLISHMENTS.

Draughtsman	1	128	1 50	192 00	10
Engineer	1	128	1 50	192 00	10
Machinists	8	128	2 50	320 00	10
Wood workers	2	174	1 82	332 68	10

EXTRACTS, TOILET ARTICLES AND PERFUMERY—6 ESTABLISHMENTS.

Chemist	1	308	1 97	606 76	10
Finishers	45	307	1 19	265 33	10
Glass workers	29	307	1 95	598 65	10
Helpers	2	237	81	191 97	8
Laboratory work	1	300	2 00	600 00	9
Packers	3	307	1 53	469 71	9.6
Shipping clerk	1	325	1 50	487 50	10
Wood workers	23	307	1 93	592 51	10

FERTILIZERS—9 ESTABLISHMENTS.

Acid men	6	360	1 75	630 00	11
Butcher	1	300	1 75	525 00	10
Engineers	4	302	2 18	658 36	9.7
Foremen	2	300	2 37	711 00	10
Grinder	1	150	2 66	399 00	10
Helpers	14	300	1 25	375 00	10
Laborers	86	333	1 49	496 17	9.8

TABLE IVf—MANUFACTURES—CITIES—Continued.

FERTILIZERS—9 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Millwrights.....	2	360	\$2 00	\$720 00	10
Skinner.....	1	313	1 25	390 00	9
Teamster.....	1	313	1 25	390 00	9
Watchman.....	1	300	1 25	375 00	10

FIREWORKS—2 ESTABLISHMENTS.

Cane department hands.....	15	185	1 25	231 25	9
Laborers.....	15	330	1 50	495 00	10
Molder.....	1	185	1 25	231 25	9
Packer.....	1	185	1 25	231 25	9

FLOURING MILL PRODUCTS—100 ESTABLISHMENTS.

Coopers.....	49	267	1 84	489 28	9.4
Elevator men.....	18	280	1 67	467 60	10
Engineers.....	104	259	1 99	515 41	11
Exchange men.....	2	320	1 50	480 00	10
Firemen.....	5	281	2 08	584 48	11
Floor hands.....	2	300	1 50	450 00	10
Foremen.....	10	259	2 10	543 90	10
Grinders.....	3	303	1 83	554 49	11
Helpers.....	8	295	1 47	434 55	10
Laborers.....	783	260	1 70	442 00	10
Loaders.....	3	304	1 64	498 56	10
Millers.....	171	276	2 20	607 20	10.9
Mill hands.....	51	235	1 54	361 90	10.5
Millwrights.....	6	287	2 53	726 11	10
Nailer.....	1	304	1 50	456 00	10
Oilers.....	2	231	1 50	346 50	11.5
Packers.....	61	277	1 77	490 29	10.9
Shippers.....	15	305	1 53	466 65	10
Sweepers.....	8	267	1 49	397 83	10
Teamsters.....	88	288	1 61	463 68	10.9
Warehouse men.....	3	300	1 50	450 00	10
Watchmen.....	2	299	2 00	598 00	11
Weighmaster.....	1	304	1 50	456 00	10

FOUNDRY AND MACHINE SHOP PRODUCTS—108 ESTABLISHMENTS.

Apprentices.....	64	240	1 15	276 00	9.9
Axle turners.....	4	300	2 00	600 00	10
Blacksmiths.....	63	292	2 46	718 32	9.2
Blacksmiths' helpers.....	25	291	2 42	704 22	9
Boiler makers.....	38	300	2 62	786 00	9.9
Boiler makers' helper.....	1	306	2 00	612 00	9
Bolt makers.....	11	275	3 50	962 50	10
Bolt makers' helpers.....	10	275	1 75	481 25	10
Buffers.....	3	301	2 17	653 17	10
Carpenters.....	23	238	2 37	564 06	10
Chain makers.....	78	260	2 52	655 20	8
Chemists.....	3	297	2 40	712 80	10
Chippers.....	189	256	1 55	396 80	9.8
Core makers.....	175	286	2 42	692 12	9.9
Core makers' helpers.....	2	290	1 75	507 50	10
Crane operators.....	9	141	1 93	272 13	10
Cupola tenders.....	28	200	2 01	402 00	9.9
Cupola tenders' helpers.....	2	259	1 67	432 53	9.5
Cutting machine operators.....	50	275	1 00	275 00	10
Die sinkers.....	8	301	3 06	921 06	10
Electricians.....	12	261	2 20	574 20	10
Enamellers.....	2	290	2 50	725 00	10
Engineers.....	27	268	2 22	594 96	10.9
Erectors.....	6	275	3 00	825 00	8
Firemen.....	8	299	1 79	535 21	10.6
Fitters.....	21	297	2 00	594 00	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

FOUNDRY AND MACHINE SHOP PRODUCTS—108 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Flask carrier	1	307	\$1 75	\$ 537 25	10
Foremen	30	291	3 79	1,102 89	9.9
Forgers	2	275	2 00	550 00	10
Foundrymen	13	60	1 93	115 80	9
Furnace hands	12	249	1 75	435 75	12
Grinders	25	293	1 77	518 61	10
Hammer driver	1	250	1 66	415 00	9
Hammer men	31	282	2 49	702 18	10
Header men	4	275	2 25	618 75	10
Helpers	206	290	1 36	394 40	9.8
Iron workers	14	302	2 25	679 50	9
Japanner	1	295	1 50	442 50	10
Laborers	1,378	271	1 58	423 18	9.1
Laborers (boys)	34	261	85	221 85	10
Link winders	10	260	1 50	390 00	9
Machine hands	73	222	2 23	495 06	10
Machine hands (boys)	18	256	1 57	401 92	10
Machinists	787	285	2 39	681 15	9.9
Machinists' apprentices	16	304	97	294 88	9
Machinists' helpers	92	305	1 50	457 50	9.9
Melters	2	297	6 00	1,782 00	12
Melters' helpers	8	297	2 70	801 90	12
Mill hands	113	275	2 08	572 00	11
Molders	1,331	282	2 65	747 30	9.9
Molders' helpers	122	296	1 66	491 36	9.6
Molding machine operators	7	256	3 76	962 56	10
Mounters	14	301	2 57	773 57	10
Nutters	10	275	1 00	275 00	10
Nut makers	12	275	2 83	778 25	10
Packers	11	279	1 50	418 50	10
Painter	1	280	1 50	420 00	8
Pattern makers	69	294	2 91	855 54	9.9
Pilers	3	275	85	233 75	10
Pipe fitters	4	301	2 25	677 25	10
Planer	1	280	1 66	464 80	10
Platers	9	290	2 38	693 10	10
Plumber	1	256	2 00	512 00	10
Polishers	40	287	2 24	642 88	9
Press hands	10	240	1 75	420 00	10
Repairer	1	100	1 25	125 00	11
Rivet makers	4	275	3 00	825 00	10
Sand cutters	9	295	1 52	448 40	10
Screw makers	115	300	1 75	525 00	10
Shear men	3	275	2 00	550 00	10
Sheet metal workers	8	307	1 75	537 25	10
Shippers	31	275	1 75	481 25	10
Stock keepers	2	297	2 30	683 10	10
Teamsters	3	273	2 08	567 84	10
Threader men	6	275	1 50	412 50	10
Tool makers	4	307	3 00	921 00	10
Trimmers	4	302	2 10	634 20	10
Turner	1	280	2 00	560 00	10
Ware cleaners	9	307	1 50	460 50	10
Watchmen	10	264	1 50	396 00	10
Wheelers	9	250	1 55	387 50	10
Wood workers	13	301	1 78	535 78	9

FURNITURE—37 ESTABLISHMENTS.					
Apprentices	2	300	50	150 00	10
Bench hands	5	232	1 86	431 52	10
Benders	10	282	1 35	380 70	10
Cabinet makers	303	275	1 85	508 75	10
Cabinet makers' helpers	8	306	1 10	336 60	10
Caners	8	303	55	166 65	9
Carvers	21	282	1 71	482 22	9.8
Chair makers	55	262	1 71	448 02	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

FURNITURE—37 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Cutter.....	1	280	\$1 65	\$462 00	10
Engineers.....	20	280	2 02	565 60	10
Fillers.....	7	300	1 28	384 00	10
Finishers.....	361	274	1 49	408 26	10
Finishers' helpers.....	2	306	1 00	306 00	10
Firemen.....	6	282	1 38	389 16	10
Fitters.....	4	301	1 52	457 52	10
Foremen.....	7	261	2 80	730 80	9.8
Glazier.....	1	300	2 00	600 00	10
Glue room hands.....	10	248	1 45	359 60	10
Grinder.....	1	310	2 50	775 00	10
Helpers.....	32	250	91	227 50	10
Jointer.....	1	280	1 65	462 00	10
Laborers.....	195	284	1 21	343 64	10
Laborers (boys).....	28	302	97	292 94	10
Machine hands.....	592	273	1 63	444 99	10
Machine hands' helpers.....	18	306	1 15	351 90	10
Machinists.....	7	302	1 92	579 84	10
Mill hands.....	125	292	1 50	438 00	10
Molders.....	6	310	2 50	775 00	9
Packers.....	117	271	1 47	398 37	10
Pad maker.....	1	250	1 00	250 00	9
Painters.....	2	310	2 10	651 00	10
Planer.....	1	280	1 65	462 00	10
Polishers.....	3	300	1 25	375 00	10
Rubbers.....	3	300	1 25	375 00	10
Sander.....	1	280	2 50	700 00	10
Sand paperers.....	3	300	50	150 00	10
Shaper.....	1	280	2 00	560 00	10
Shippers.....	8	284	1 71	485 64	9.7
Teamsters.....	20	275	1 42	390 50	10
Trimmers.....	2	306	1 50	459 00	10
Turners.....	19	273	1 68	458 64	10
Upholsterers.....	50	280	1 84	515 20	9.6
Varnishers.....	153	293	1 37	401 41	9.9
Watchmen.....	17	276	1 26	347 76	10
Wood workers.....	82	295	2 05	604 75	10
Yard men.....	27	294	1 45	426 30	10

GAS AND ELECTRICITY—78 ESTABLISHMENTS.

Apprentice.....	1	365	67	244 45	10
Ash men.....	2	365	1 50	547 50	12
Carpenters.....	2	365	1 82	664 30	10
Cleaners.....	5	365	1 48	540 20	10.8
Coal men.....	3	365	1 62	591 30	10.6
Collectors.....	2	365	1 75	638 75	10
Dynamo tenders.....	2	365	2 40	876 00	12
Electricians.....	32	356	2 11	751 16	10.2
Electricians' assistant.....	1	365	1 50	547 50	10
Engineers.....	124	358	2 11	755 38	11
Field man.....	1	313	1 00	313 00	5

GLASS WORKS' SUPPLIES—4 ESTABLISHMENTS.

Blacksmith.....	1	313	2 00	626 00	10
Bottom layers.....	4	308	1 83	563 64	8
Brick makers.....	6	308	1 83	563 64	9.5
Burners.....	22	308	2 00	616 00	12
Carpenters.....	2	310	2 25	697 50	10
Clay trampers.....	6	310	1 58	489 80	9
Draughtsman.....	1	313	3 33	1,042 29	10
Engineers.....	2	310	2 50	775 00	11
Fireman.....	1	308	2 25	693 00	12
Foremen.....	3	308	3 75	1,155 00	10
Laborers.....	104	310	1 55	480 50	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

GLASS WORKS SUPPLIES—4 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Machinists	2	310	\$3 00	\$930 00	10
Mill tenders	15	309	1 53	472 77	10
Mold makers	12	304	3 06	930 24	9.5
Pot makers	21	309	2 99	923 91	8.5
Ring makers	2	308	1 67	514 36	9.5
Teamster	1	313	2 00	626 00	10
Watchman	1	308	2 00	616 00	12

GLASS AND GLASSWARE.—24 ESTABLISHMENTS

Artists	10	309	3 00	927 00	8
Ball makers	3	200	4 18	836 00	10
Batchmen	7	201	1 61	323 61	7.6
Blacksmiths	28	242	2 46	595 32	10
Blacksmiths' helper	1	153	1 50	229 50	10
Blockers	17	230	4 00	924 00	10
Blowers	1,160	232	5 21	1,208 72	8.5
Box makers	9	210	1 40	294 00	9.3
Carpenters	3	287	2 13	611 31	10
Carriers	4	306	1 50	459 00	9
Carriers (boys)	59	327	.95	310 65	9.3
Chippers	4	350	1 50	525 00	9
Coopers	5	328	2 00	656 00	9.8
Cutters	172	269	2 86	769 34	9.3
Decorators	9	240	2 00	480 00	10
Engineers	19	233	2 11	491 63	11.3
Fillers	2	153	1 75	267 75	12
Finishers	214	251	1 01	253 51	9.5
Flatteners	22	166	7 65	1,269 90	11
Furnace men	78	221	1 92	424 32	11.4
Gas makers	6	153	1 75	267 75	12
Gatherers	872	246	2 19	538 74	8.7
Glass workers	320	270	3 35	904 50	9
Grinders	24	255	1 70	433 50	8.6
Handler	1	240	5 00	1,200 00	9
Laborers	641	248	1 51	374 48	10
Laborers (boys)	988	243	.81	196 83	8.9
Laying-up boys	4	151	1 25	188 75	8.5
Lehr boys	8	239	1 00	239 00	8.5
Lehr tenders	20	191	1 66	317 06	11.3
Machinists	13	256	1 91	488 96	10
Marvelors	3	200	4 68	936 00	10
Masons	2	256	3 50	896 00	10
Mixers	12	200	1 81	362 00	9.6
Mold boys	141	222	.93	206 46	10
Mold cleaners	2	220	1 50	330 00	10
Mold makers	27	289	3 37	973 93	9
Packers	100	258	1 83	472 14	9.9
Pipe fitters	2	256	1 98	506 88	10
Porter	1	292	1 50	438 00	9
Pressers	17	304	4 00	1,216 00	9
Roller boys	3	156	1 50	234 00	8
Shippers	12	242	3 39	820 38	9.9
Shove boys	6	153	1 20	183 60	12
Shovers-in	6	156	1 85	288 60	12
Snappers	93	1 64	1 65	270 60	7.1
Sorters	55	255	1 62	412 10	10
Teamsters	4	266	1 45	385 70	10
Teasers	2	350	1 75	612 50	8
Warehouse men	4	151	1 75	264 25	8
Watchmen	7	215	1 57	337 55	11
Weighers	3	217	1 25	271 25	10
Wheelers	2	153	1 75	267 75	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

GLOVES AND MITTENS—10 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Cutters	30	270	\$1 27	\$342 90	9.8
Finishers	7	275	1 62	170 50	10
Foreman	1	306	1 65	504 90	10
Glove makers	5	254	1 65	419 10	10
Helpers	11	300	1 24	372 00	9.5
Laborers	8	275	1 45	395 75	10
Packers	3	300	1 21	363 00	9.5
Quilters	3	300	1 65	495 00	10
Wax threader	1	275	3 47	954 25	10

GUNPOWDER AND OTHER EXPLOSIVES—7 ESTABLISHMENTS.

Carpenters	4	301	2 66	800 66	10
Engineers	2	301	3 07	924 07	11
Farm hands	3	301	1 50	451 50	12
Firemen	3	301	2 15	647 15	12
Foreman	1	301	3 00	903 00	12
Helpers	4	245	2 25	551 25	6.7
Hostlers	4	309	1 20	370 80	10
Keg makers	10	301	1 75	526 75	10
Laborers	58	299	2 10	627 90	10
Machinist	1	301	2 50	752 50	10
Machinist helper	1	301	1 90	571 90	10
Nitroglycerin makers	7	239	3 49	834 11	7
Painter	1	301	1 90	571 90	10
Powder makers	56	236	1 94	457 84	9
Repairer	1	301	3 00	903 00	9
Shooters	30	283	3 58	1,013 14	6.7
Teamsters	15	288	1 72	495 36	8.8
Tinners	10	305	2 25	686 25	10

HANDLES—10 ESTABLISHMENTS.

Belters	3	300	1 75	525 00	10
Blacksmiths	2	300	2 00	600 00	10
Engineers	7	295	1 94	572 30	10
Equalizer	1	270	1 35	364 50	9
Finishers	18	291	2 17	631 47	9.4
Floor hands	2	285	2 75	783 75	9.5
Foremen	5	300	2 20	660 00	10
Grader	1	300	1 50	450 00	10
Handle grader	1	300	1 50	450 00	10
Handle makers	20	250	1 50	750 00	10
Handle markers	2	285	1 62	461 70	9.5
Helpers	22	300	1 00	300 00	10
Hostlers	2	300	1 00	300 00	10
Inspector	1	300	2 25	675 00	10
Laborers	101	288	1 38	399 44	9.8
Laborers (skilled)	8	285	3 25	926 25	9
Machinists	6	296	2 12	627 52	10
Off bearer	1	270	1 25	337 50	9
Packer	1	300	1 75	525 00	10
Sawyers	29	290	1 93	559 70	9.9
Sawyers' helpers	2	300	1 25	375 00	10
Shipper	1	300	2 25	675 00	10
Teamsters	4	300	1 50	450 00	10
Turners	11	279	2 33	650 07	10
Watchmen	2	285	1 25	356 25	10
Wood workers	9	300	2 02	606 00	10
Yard hand	1	300	1 35	405 00	10

HARDWARE—12 ESTABLISHMENTS.

Annealers	22	302	1 67	511 02	10
Assemblers	20	188	1 00	188 00	10
Blacksmiths	22	302	1 97	594 94	10
Bronzers	12	296	4 00	1,184 00	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

HARDWARE—12 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Buffers	3	188	2 00	376 00	10
Carpenter	1	302	2 00	604 00	10
Case makers	3	188	1 50	282 00	10
Chippers	25	296	2 50	740 00	10
Drillers	50	296	2 25	666 00	10
Engineers	5	261	2 35	613 35	10.1
Fireman	1	302	1 90	573 80	10
Fitters	73	302	1 45	437 90	10
Foremen	3	291	2 50	727 50	10
Foundry men	30	188	2 00	376 00	10
Hammer men	3	209	2 00	418 00	9.5
Helpers	50	296	2 00	592 00	10
Hook makers	7	300	2 50	750 00	10
Japanners	20	298	2 46	733 08	10
Laborers	254	274	1 49	408 26	9.9
Laborers (boys)	7	308	90	277 20	10
Lathe turners	9	291	1 80	523 80	10
Machine hands	15	300	1 50	450 00	10
Machinists	17	289	2 53	731 17	9.9
Mechanics	3	306	1 50	459 00	10
Molders	86	298	3 35	998 30	10
Molders' helpers	13	302	1 33	401 66	10
Operators	27	308	1 60	492 80	10
Ornamenters	4	296	4 00	1,184 00	10
Packers	13	302	95	286 90	10
Pattern makers	5	256	2 53	647 68	10
Plater	1	188	2 00	376 00	10
Polishers	73	291	1 71	497 61	10
Pressmen	2	209	1 50	313 50	9.5
Reel makers	12	300	2 00	600 00	10
Sawyers	2	291	1 50	436 50	10
Tinners	10	300	1 85	555 00	10
Tool makers	2	300	3 00	900 00	10
Varnishers	2	209	1 25	261 25	9.5
Watchmen	5	257	1 50	385 50	10
Wood workers	7	209	1 50	313 50	9.5

HARNESS AND SADDLERY—14 ESTABLISHMENTS.

Coach pad makers	6	300	1 60	480 00	10
Collar makers	27	300	1 50	450 00	10
Foremen	4	300	2 50	750 00	10
Halter makers	26	285	1 40	399 00	10
Harness makers	92	300	1 50	450 00	10
Helpers	2	306	75	229 50	10
Net makers	5	300	1 50	450 00	10
Saddle makers	19	301	1 70	511 70	9.5
Strap makers	4	300	1 50	450 00	10
Tanners	30	300	1 75	525 00	10

HATS, CAPS AND FURNISHINGS—2 ESTABLISHMENTS.

Cutter	1	275	75	206 25	9.5
Laborers	9	290	1 75	507 50	8

HOLLOW WARE—2 ESTABLISHMENTS.

Annealers	2	307	1 80	552 60	10
Blacksmiths	2	307	2 00	614 00	10
Burners	10	307	2 50	767 50	10
Dippers	8	307	97	297 79	10
Firemen	3	307	1 85	567 95	10
Galvanizers	27	307	1 45	445 15	10
Laborers	101	296	1 30	384 80	10
Machine hands	6	307	2 50	767 50	10
Mill hands	5	307	1 95	598 65	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

HOLLOW WARE—2 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Molders	60	295	\$2 25	\$663 75	9
Packers	10	307	1 42	435 94	10
Picklers	29	307	1 05	322 35	10
Polishers	30	295	1 75	221 25	10
Riveters	10	307	2 25	690 75	10
Scalers	7	307	1 50	460 50	10
Shipper	1	307	2 00	614 00	10
Stampers	41	307	1 50	460 50	10

ICE (ARTIFICIAL)—31 ESTABLISHMENTS.

Bottlers	4	310	1 50	450 00	10
Bottlers' helpers	2	300	1 00	300 00	10
Brewers	4	300	1 75	525 00	10
Cutters	95	24	1 64	39 36	10
Drivers	141	270	1 86	502 20	11
Engineers	51	238	2 26	537 88	12
Firemen	15	271	1 77	479 67	12
Foremen	3	300	2 88	864 00	12
Helpers	29	240	1 70	408 00	10
Hostler	1	279	1 66	463 14	10
Ice pullers	30	236	1 56	368 16	12
Laborers	27	290	1 72	498 80	10
Machinists	2	200	2 50	500 00	12
Tank men	26	289	1 96	566 44	11.4

IRON (STRUCTURAL AND ARCHITECTURAL)—16 ESTABLISHMENTS.

Blacksmiths	52	252	2 81	708 12	10
Blacksmiths' helpers	103	302	1 64	495 28	9.4
Boiler makers	10	306	3 30	1,009 80	9
Bolters	26	102	1 69	172 38	10
Bridge builders	270	307	1 89	600 23	9.5
Carpenters	6	102	2 50	255 00	10
Draughtsmen	15	304	3 58	1,088 32	9
Electricians	10	244	2 33	568 52	9.5
Engineers	6	299	2 37	708 63	9.8
Erectors	3	270	2 00	540 00	10
Fence builders	29	293	1 53	448 29	9.9
Firemen	2	306	1 80	550 80	9
Fitters	93	297	2 10	623 70	9.5
Foremen	6	277	3 33	922 41	10
Furnace builders	50	306	3 80	1,162 80	9
Furnace builders' helpers	59	306	2 50	765 00	9
Heaters	10	306	1 15	351 90	9
Helpers	13	293	1 52	445 36	10
Iron workers	58	301	1 64	493 64	9.9
Jail makers	80	295	1 65	486 75	10
Laborers	267	262	1 60	419 20	10
Layers-out	27	211	2 50	527 50	9.6
Loaders	9	304	1 50	456 00	9
Machine hands	75	295	2 26	666 70	9.6
Machinists	86	276	2 68	739 68	10
Painters	12	225	1 48	333 00	9.6
Pattern makers	1	291	2 90	843 90	10
Pattern maker apprentice	1	291	1 25	363 75	10
Power house hands	3	306	2 28	697 68	9
Punchers	47	259	2 29	593 11	10
Riveters	53	218	1 89	412 02	9.5
Riveters' helpers	24	290	1 75	507 50	10
Shear men	4	102	1 97	200 94	10
Straighteners	5	304	1 75	532 00	9
Structural workers	108	295	1 67	492 65	10
Template makers	17	219	3 17	694 23	9.5
Watchmen	3	304	1 70	516 80	9

TABLE IVf—MANUFACTURES—CITIES—Continued.

JEWELRY AND WATCHES—4 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Balance workers.....	9	291	\$6 75	\$1,964 25	10
Damaskeeners.....	15	291	4 36	1,268 76	10
Dial makers.....	12	291	7 00	2,037 00	10
Engineer.....	1	285	2 00	570 00	10
Engravers.....	194	287	2 35	674 45	10
Escape makers.....	20	291	4 50	1,309 50	10
Finishers.....	81	290	5.95	1,725 50	10
Gilders.....	6	291	3 40	989 40	10
Inspectors.....	3	285	1 66	473 10	10
Jewelers.....	51	291	3 55	1,033 05	10
Jointers.....	52	287	2 35	674 45	10
Laborers.....	89	288	2 40	691 20	10
Machine hands.....	66	289	3 18	919 02	10
Machinists.....	6	285	2 21	629 85	10
Melters.....	31	288	2 40	691 20	10
Motion makers.....	22	291	2 19	637 29	10
Pinion makers.....	22	291	4 11	1,196 01	10
Platers.....	100	288	2 65	763 20	10
Polishers.....	116	287	2 33	668 71	10
Press room hands.....	7	285	1 84	524 40	10
Repairers.....	9	291	3 00	873 00	10
Screw makers.....	29	291	3 35	974 85	10
Spring department hands.....	4	285	1 75	498 75	10
Turners.....	7	285	2 03	578 55	10
Watch makers.....	2	300	3 00	900 00	9
Watchman.....	1	285	1 58	450 30	10

LEATHER AND LEATHER GOODS—11 ESTABLISHMENTS.

Apprentices.....	3	328	1 00	328 00	10
Beamsters.....	12	299	1 83	547 17	10
Belt makers.....	15	328	2 20	721 60	10
Belt riveter.....	1	328	1 50	492 00	10
Belt stretchers.....	3	328	2 33	764 24	9
Curriers.....	28	311	1 87	581 57	10
Engineers.....	5	305	2 04	622 20	10.2
Foremen.....	2	285	3 33	949 05	10
Grainers.....	6	300	2 66	798 00	9
Helpers.....	2	328	1 42	465 76	10
Laborers.....	88	306	1 62	495 72	10
Patcher.....	1	285	1 75	498 75	10
Pebbler.....	1	285	2 00	570 00	10
Picker maker.....	1	328	1 40	459 20	10
Scrap boy.....	1	328	1 00	328 00	10
Shavers.....	8	305	2 56	780 80	9.5
Shipper.....	1	328	2 00	656 00	10
Softeners.....	2	285	1 75	498 75	10
Splitters.....	2	296	3 16	935 36	10
Splitters' helpers.....	2	285	1 58	450 30	10
Table hands.....	2	285	1 70	484 50	10
Tackers.....	2	285	1 10	313 50	10
Tanners.....	43	303	1 66	502 98	10
Teamster.....	1	308	1 50	462 00	10
Trimmers.....	2	306	1 51	462 06	10
Watchmen.....	2	306	1 65	504 90	11
Yard hands.....	15	299	1 50	448 50	10

LIGHTING APPARATUSES—5 ESTABLISHMENTS.

Buffers.....	4	315	1 50	472 50	10
Carpenter.....	1	306	1 90	581 40	9.5
Engineers.....	2	288	2 00	576 00	10
Foreman.....	1	306	2 38	728 28	9.5
Laborers.....	55	279	1 29	359 91	10
Lamp makers.....	4	308	2 25	693 00	10
Machinists.....	20	311	1 85	575 35	9.9

TABLE IVf—MANUFACTURES—CITIES—Continued.

LIGHTING APPARATUSES—5 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Mechanics	4	308	\$1 65	\$508 20	10
Molders	4	315	2 50	787 50	10
Packers	3	315	1 50	472 50	10
Painters	2	306	1 78	544 68	9.5
Testers	12	315	1 75	551 25	10
Tinners	14	313	1 70	532 10	9.5
Watchman	1	270	1 40	378 00	12

LIME, SAND, CEMENT AND PLASTER—34 ESTABLISHMENTS.

Blacksmiths	5	284	2 40	681 60	10
Burners	3	186	2 83	526 38	11
Car men	2	365	1 65	602 25	10
Carpenters	9	330	2 36	778 80	10
Cart boys	10	365	1 20	438 00	10
Chemist	1	250	2 50	625 00	10
Cook	1	365	1 66	605 90	10
Coopers	18	346	2 29	792 34	10
Crane men	1	215	1 75	376 25	10
Crusher men	16	365	1 75	638 75	10
Deck hands	5	291	1 52	442 32	10
Drillers	9	253	1 77	447 81	10
Engineers	38	285	2 23	635 55	11.9
Firemen	8	249	1 69	421 81	10
Foremen	28	285	2 47	703 95	10.4
Grinders	9	183	1 83	334 89	11
Kiln hands	2	183	1 50	274 50	12
Laborers	404	270	1 60	432 00	10
Lime burners	20	327	1 88	614 76	10
Lime men	4	155	1 90	294 50	11
Loaders	25	365	1 65	602 25	10
Machine tenders	2	252	2 04	514 08	10
Machinists	16	283	2 07	585 81	10
Millers	20	300	1 86	558 00	12
Mill hands	71	241	1 81	436 21	11.3
Miners (coal)	61	250	2 19	547 50	8
Miners (limestone)	34	250	1 68	420 00	10
Mixers	2	183	1 62	296 46	10
Motormen	2	300	2 00	600 00	12
Oilers	12	208	1 96	407 68	12
Packers	2	183	2 00	366 00	8
Quarrymen	89	311	1 68	522 48	10
Shopmen	3	365	1 65	602 25	10
Shovelers	37	259	1 79	463 61	10
Teamsters	90	273	2 70	737 10	10
Truck man	1	365	1 65	602 25	10
Warehouse man	1	300	2 00	600 00	10
Wheelers	16	365	1 65	602 25	10

LIQUORS (DISTILLED)—17 ESTABLISHMENTS.

Bottlers	2	300	1 50	450 00	10
Bottle washers	3	312	1 20	374 40	10
Carpenter	1	312	1 50	468 00	10
Cellar men	11	300	1 81	543 00	10
Champagne makers	5	310	1 37	424 70	10
Chemist	1	309	5 55	1,714 95	10
Distiller	1	312	2 50	780 00	10
Engineers	3	307	2 00	614 00	10
Foremen	2	306	2 50	765 00	10
Helpers	3	312	1 04	324 48	10
Laborers	68	224	1 58	353 92	10
Pressman	1	24	1 50	36 00	8
Rectifiers	2	312	1 75	546 00	10
Shippers	3	310	1 80	558 00	9
Wine makers	19	306	1 47	449 82	9.7

TABLE IVf—MANUFACTURES—CITIES—Continued.

LIQUORS (MALT)—48 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentices	3	315	\$1 16	\$ 365 40	9
Bar tenders	3	306	1 26	385 56	9
Boiler room men	2	312	2 00	624 00	10
Bottlers	97	304	1 61	489 44	9.5
Brewers	139	310	2 34	725 40	9
Brew-masters	8	316	5 48	1,731 68	10.3
Carpenters	9	299	2 26	675 74	9.3
Cellar men	92	320	2 37	758 40	9.5
Collectors	5	249	2 92	727 08	10
Coopers	11	335	2 47	827 45	9
Drivers	182	311	2 22	690 42	9.9
Drivers' helpers	2	312	1 75	546 00	10
Engineers	94	310	2 61	809 10	10
Firemen	30	305	1 99	606 95	10
Foremen	6	311	3 25	1,010 75	9.3
Hostlers	22	331	1 99	658 69	9.9
Ice drawers	7	310	1 70	527 00	10
Ice makers	24	326	1 81	590 06	10
Kettle men	14	263	2 66	699 58	9
Laborers	74	310	1 69	523 90	9.7
Maltsters	14	321	2 37	760 77	9.9
Oilers	2	313	2 00	626 00	12
Tank men	7	301	1 50	451 50	11
Wash-house hands	50	324	2 34	758 16	9.5
Watchmen	14	322	2 09	672 98	11

LITHOGRAPHING, ENGRAVING AND ELECTROTYPING—6 ESTABLISHMENTS.

Apprentices	6	306	66	201 96	8.6
Artists	5	293	3 50	1,025 50	8.5
Cutters	2	273	2 50	682 50	10
Engravers	3	301	3 16	951 16	8.1
Etchers	4	308	3 16	973 28	9
Etchers' helper	1	311	2 52	783 72	9
Finishers	2	311	3 60	1,119 60	9
Folder	1	273	1 75	477 75	10
Grinder	1	273	2 25	614 25	9
Helpers	5	273	1 00	273 00	10
Janitors	2	273	1 50	409 50	10
Packer	1	273	1 50	409 50	10
Photographers	5	309	3 61	1,115 49	9
Photographers' helper	1	311	1 62	503 82	9
Press feeders	7	273	1 50	409 50	10
Pressmen	5	273	3 55	1,029 15	9.5
Printers	10	280	2 40	672 00	9
Router	4	309	2 18	673 62	9
Transferer	1	273	3 60	982 80	9

MACHINERY—80 ESTABLISHMENTS.

Apprentices	180	306	1 13	345 78	9.5
Assemblers	12	302	3 10	936 20	10
Bench hands	5	290	2 20	638 00	9
Blacksmiths	243	303	2 46	745 38	9.9
Blacksmiths' helpers	157	303	1 63	493 89	10
Boiler makers	62	303	2 85	863 55	10
Boiler makers' helpers	47	307	2 25	690 75	10
Bolt cutter	1	306	1 50	459 00	10
Carpenters	111	358	2 38	852 04	9.9
Casting cleaners	4	302	2 86	863 72	10
Chain makers	11	305	2 30	701 50	10
Chippers	11	286	1 80	514 80	9
Core makers	49	301	2 36	710 36	10
Core makers' apprentices	4	296	1 34	396 64	9
Coopers	2	304	2 25	684 00	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

MACHINERY—80 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Crane men	20	296	\$1 76	\$520 96	9.6
Cupola tenders	10	293	2 12	621 16	9.4
Draughtsmen	65	301	2 55	466 55	8.7
Drill-press hands	7	300	2 00	600 00	10
Electricians	33	308	1 71	526 68	9
Engineers	37	290	2 12	614 80	9.5
Engineers (mechanical)	2	306	11 00	3,366 00	10
Engine tester	1	302	3 33	1,005 66	10
Erectors	37	297	1 93	573 21	10
Firemen	9	297	1 80	534 60	10
Fitters	2	300	2 00	600 00	10
Floor men	15	306	2 60	795 60	9
Foremen	21	266	3 52	936 32	10
Foundry hands	16	305	2 00	610 00	10
Foundry helpers	27	305	1 75	533 75	10
Grinder	1	290	2 00	580 00	9
Helpers	249	302	1 40	422 80	9.5
Inspector	1	305	4 85	1,479 25	10
Iron workers	15	299	1 75	523 25	10
Janitor	1	286	1 75	550 00	9
Laborers	1,529	340	1 55	527 00	9.7
Laborers (boys)	23	305	1 65	198 25	10
Machine hands	85	297	1 93	573 21	9.5
Machinists	2,050	301	2 25	677 25	9.6
Machinists' apprentices	124	306	83	253 98	9.1
Machinists' helpers	214	305	1 61	491 05	9.4
Mason	1	305	2 50	762 50	10
Millwright	1	295	3 00	885 00	10
Molders	697	301	2 56	770 56	9.9
Molders' apprentices	23	305	1 25	381 25	9.5
Molders' helpers	17	303	1 55	469 65	10
Painters	65	302	1 91	576 82	10
Pattern makers	161	299	2 69	804 31	9.5
Pattern makers' apprentices	8	288	94	270 72	9.5
Pipe cutter	1	306	1 50	459 00	10
Pipe fitters	6	305	2 18	664 90	10
Plater	1	304	3 00	912 00	10
Plumbers	4	324	2 62	848 88	10
Polisher	1	302	3 74	1,129 48	10
Pressmen	6	300	2 25	675 00	10
Roll turners	3	286	3 60	1,029 60	9
Roll turners' helper	1	286	1 44	411 84	9
Structural iron workers	18	306	2 40	734 40	9
Teamsters	5	305	1 93	588 65	10
Tinners	30	302	2 49	751 98	10
Tool makers	4	307	2 75	844 25	10
Watchmen	16	301	1 64	493 64	10
Wood workers	85	296	2 02	597 92	10

MALT—3 ESTABLISHMENTS.

Engineers	2	289	2 10	606 90	9
Foremen	3	289	2 83	817 87	9
Laborers	4	347	1 75	607 25	10
Maltsters	49	327	1 90	621 30	9.5
Watchmen	3	289	2 00	578 00	10

MARBLE AND GRANITE—19 ESTABLISHMENTS.

Apprentices	2	292	87	254 04	9
Blacksmith	1	292	2 25	657 00	9
Buhr man	1	308	1 90	585 20	10
Cutters	67	291	2 26	657 66	8.5
Engineer	1	308	2 00	616 00	10
Feeder	1	308	1 50	462 00	10
Foremen	2	308	2 16	665 28	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

MARBLE AND GRANITE—13 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Helpers.....	2	300	\$1 25	\$375 00	10
Laborers.....	40	295	1 54	454 30	9.2
Letterers.....	5	267	2 32	669 54	9.2
Packer.....	1	308	1 50	457 50	10
Polishers.....	5	297	1 94	475 18	10.4
Teamsters.....	6	280	3 00	840 00	10
Tool sharpener.....	1	300	1 50	450 00	9

MARBLERS—2 ESTABLISHMENTS.

Engineer.....	1	249	2 00	498 00	10
Laborers.....	20	287	1 12	321 44	9.5

MATTRESSES AND PILLOWS—9 ESTABLISHMENTS.

Carpenters.....	2	310	1 75	542 50	10
Engineer.....	1	305	1 50	457 50	10
Feather department hands.....	8	310	1 25	387 50	10
Felting department hands.....	10	310	1 75	542 50	10
Fillers.....	25	301	1 29	388 29	10
Foreman.....	1	260	2 33	605 80	9
Laborers.....	4	260	1 00	260 00	9
Laborer (boy).....	1	300	85	255 00	9
Mattress makers.....	43	296	1 85	547 60	9
Packers.....	2	310	1 25	387 50	10
Picker.....	1	307	1 25	383 75	9
Spring makers.....	12	310	1 50	465 00	10
Stitchers.....	3	260	1 70	442 00	9
Teamsters.....	3	310	1 50	465 00	10
Wire workers.....	14	310	1 00	210 00	10

OIL CLOTH AND WINDOW SHADE CLOTH—2 ESTABLISHMENTS.

Boilers.....	3	272	2 50	680 00	10
Boilers' assistant.....	1	295	1 50	442 50	10
Calender men.....	8	273	1 79	488 67	10
Coaters.....	15	276	2 16	596 16	10
Coaters' helpers.....	6	295	1 60	472 00	10
Color mixers.....	11	276	1 81	499 56	10
Engineers.....	3	283	2 66	752 78	10
Firemen.....	4	278	2 05	569 90	10
Foremen.....	2	295	2 42	713 90	10
Hangers.....	4	261	1 42	370 62	10
Laborers.....	13	274	1 37	375 38	10
Machinists.....	2	261	2 25	587 25	10
Packers.....	2	261	1 75	456 75	10
Printers.....	5	274	2 59	709 66	10
Printers' helpers.....	3	295	1 65	486 75	10
Rollers-out.....	4	295	1 60	472 00	10
Rubbers.....	12	283	1 55	438 65	10
Shippers.....	3	283	2 58	730 14	10
Trimmers.....	24	272	1 03	280 16	10
Watchmen.....	5	281	1 78	500 18	12

OIL AND GREASE—6 ESTABLISHMENTS.

Acid workers.....	8	313	2 41	754 33	10.5
Blacksmith.....	1	360	2 50	900 00	9
Boiler hands.....	3	300	2 00	600 00	12
Boiler makers.....	160	313	2 25	704 25	9
Brick masons.....	9	313	3 56	1,114 28	9
Brick masons' helpers.....	8	313	1 75	547 75	9
Carpenters.....	10	313	2 31	723 03	9
Coopers.....	6	306	1 93	590 58	9
Driller.....	1	300	3 50	1,050 00	10
Engineers.....	6	302	2 54	767 08	11

TABLE IVf—MANUFACTURES—CITIES—Continued.

OIL AND GREASE—6 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1963.	Average daily wages.	Average yearly earnings, 1966.	Average hours of daily labor.
Foremen.....	3	313	\$3 33	\$1,042 29	9
Laborers.....	176	313	1 50	468 00	9.5
Laborers (skilled).....	89	313	2 33	729 29	10.5
Machinists.....	16	313	2 37	741 81	9
Paraffine workers.....	54	313	2 30	719 90	10.5
Pipe fitters.....	31	316	1 72	537 22	9
Press-room hands.....	2	330	1 75	577 50	9
Pumpers.....	2	270	1 75	472 50	9
Repairers.....	32	313	1 91	597 83	9
Stillmen.....	6	320	2 33	745 60	11
Tool dresser.....	1	300	1 50	450 00	10
Treaters.....	2	270	3 00	810 00	9
Warehouse men.....	6	330	2 25	742 50	9

PAINTS AND VARNISHES—12 ESTABLISHMENTS.

Carpenter.....	1	255	2 50	637 50	10
Color tinter.....	1	255	2 60	663 00	10
Engineers.....	2	246	2 04	501 84	10
Foremen.....	4	267	4 41	1,177 47	8.7
Grinders.....	4	270	2 00	540 00	10
Helpers.....	5	306	2 00	612 00	8
Laborers.....	7	211	1 46	308 06	8.4
Laborers (boys).....	2	255	53	135 15	10
Machine hands.....	9	307	1 75	537 25	10
Mechanics.....	4	306	2 75	841 50	10
Mixers.....	5	250	1 75	437 50	10
Packers.....	3	250	1 75	437 50	10
Painters.....	2	250	1 75	437 50	10
Shippers.....	3	288	2 49	717 12	8.6
Tinner.....	1	360	1 75	630 00	10

PATTERNS AND MODELS—7 ESTABLISHMENTS.

Drillers.....	2	308	95	292 60	10
Engineer.....	1	270	2 75	742 50	9.5
Fireman.....	1	270	2 33	629 10	9.5
Laborers (boys).....	3	308	1 00	308 00	10
Machinists.....	3	300	2 50	750 00	10
Pattern makers.....	43	287	2 13	611 31	9.4

PIANOS AND OTHER MUSICAL INSTRUMENTS—7 ESTABLISHMENTS.

Action makers.....	12	303	2 47	748 41	10
Back maker.....	1	306	1 50	459 00	10
Bellows makers.....	4	306	1 75	535 50	10
Cabinet makers.....	38	302	2 08	628 16	10
Carvers.....	5	302	2 00	604 00	10
Case makers.....	14	306	2 01	615 06	10
Chest makers.....	4	306	1 85	566 10	10
Engineers.....	5	303	2 05	621 15	10
Finishers.....	54	303	1 97	596 91	10
Foremen.....	8	302	3 75	1,132 50	10
Gluers.....	3	297	2 16	641 52	8.5
Laborers.....	7	301	1 25	376 25	10
Machine hands.....	40	302	1 87	564 74	10
Organ builders.....	5	305	2 60	793 00	10
Pipe makers.....	6	302	1 65	498 30	10
Polishers.....	9	303	2 09	633 27	10
Regulators.....	12	302	3 33	1,005 66	10
Rubbers.....	15	304	1 62	492 48	10
Stainers.....	2	307	87	267 09	10
Stringers.....	4	304	1 37	416 48	10
Teamsters.....	2	300	2 05	615 00	10
Trimmers.....	3	293	2 25	659 25	10
Tuners.....	12	302	3 01	909 02	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

PIANOS AND OTHER MUSICAL INSTRUMENTS—7 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Varnishers	12	302	\$2 00	\$604 00	10
Veneer men	9	302	1 90	573 80	10
Watchmen	4	305	1 31	399 55	10
Yard men	5	302	1 50	453 00	10

PICKLES, PRESERVES AND SAUCES—5 ESTABLISHMENTS.

Engineers	2	180	1 50	270 00	10
Foremen	3	266	1 74	462 84	10
Laborers	21	77	1 47	113 19	10
Pulp maker	1	300	1 50	450 00	10
Shipper	1	300	1 50	450 00	10
Teamster	1	300	1 50	450 00	10
Watchmen	2	180	1 57	282 60	12

PLATING—6 ESTABLISHMENTS.

Buffers	3	293	2 00	856 00	10
Foremen	2	300	2 37	474 00	9.8
Grinder	1	300	1 00	300 00	9.5
Laborers	3	300	1 50	450 00	10
Machinists	8	300	2 50	750 00	10
Platers	8	297	2 12	629 64	10
Polishers	8	298	2 44	727 12	7.6

PLUMBING, STEAM AND GAS FITTING SUPPLIES—11 ESTABLISHMENTS

Assemblers	2	302	1 75	528 50	10
Blacksmiths	4	294	2 48	729 12	9.5
Cabinet makers	3	302	2 00	604 00	10
Carpenters	2	282	2 25	634 50	10
Core makers	36	264	2 51	662 64	9.6
Cupola tenders	3	302	2 00	604 00	9
Electricians	2	310	1 75	542 50	8
Enamelers	5	310	7 00	2,170 00	8
Enamelers' helpers	5	302	4 50	1,359 00	8
Engineers	2	291	2 62	762 42	10
Filers	8	119	1 60	190 40	9
Finishers	7	293	2 14	627 02	10
Firemen	2	302	2 00	604 00	10
Foremen	4	285	3 75	1,068 75	10
Gas fitters	2	303	2 82	854 46	9.5
Helpers	22	148	1 78	263 44	9.2
Laborers	240	251	1 57	394 07	9.6
Machinists	43	254	2 33	591 82	9.5
Millwright	1	302	2 00	604 00	10
Molders	116	261	3 21	837 81	9.3
Molders' helpers	10	302	2 00	604 00	9
Painters	2	302	2 00	604 00	10
Pattern grinders	6	302	2 00	604 00	10
Pattern makers	12	291	2 83	823 53	9.5
Pipe fitters	10	260	2 85	741 00	9.3
Plater	1	302	2 00	604 00	10
Plumbers	6	307	2 93	899 51	9.3
Repair men	8	302	2 25	679 50	10
Sawyers	3	302	2 25	679 50	10
Solders	3	302	2 33	703 66	10
Steam fitters	3	307	2 93	899 51	9.6
Teamster	1	302	1 67	504 34	10
Testers	4	119	2 00	238 00	9
Tool makers	4	159	2 25	357 75	9.2
Watchman	1	302	2 00	604 00	12

TABLE IVf—MANUFACTURES—CITIES—Continued.

POTTERY AND STONEWARE—54 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Art department hands.....	61	309	\$2 68	\$828 12	9
Ball makers.....	2	265	1 40	371 00	9
Batters-out.....	16	279	1 54	429 66	9
Bisque department hands.....	18	238	3 24	771 12	8.5
Blacksmiths.....	2	300	2 10	630 00	9
Cask makers.....	2	260	3 00	780 00	8
Casters.....	5	284	1 30	369 20	10
Clay washers.....	26	286	1 59	457 74	9.9
Clay workers.....	1,000	256	2 66	680 96	9.7
Clay workers' helpers.....	70	300	1 60	480 00	9
Cleaners.....	4	294	1 80	529 20	10
Coopers.....	4	290	2 25	652 50	8
Decorators.....	283	250	2 82	705 00	9
Decorators' apprentices.....	8	303	1 43	433 29	8
Designer.....	1	330	3 00	990 00	8.5
Dippers.....	65	379	3 35	934 65	11
Dippers' helpers.....	4	290	1 35	391 50	8.2
Dish makers.....	24	284	2 65	752 60	9
Dish makers' helpers.....	216	297	1 29	383 13	9
Drawers.....	219	293	1 86	544 98	7.9
Engineers.....	45	282	2 30	648 60	9.5
Finishers.....	36	300	1 57	471 00	9.8
Firemen.....	36	289	2 39	690 71	9.4
Foremen.....	15	308	2 58	794 64	9.5
Gilders.....	22	292	2 59	756 28	8.8
Glazer.....	1	312	1 50	468 00	9
Glost department hands.....	19	236	2 93	691 48	8.7
Grinders.....	2	299	1 62	484 38	10
Ground layer.....	1	300	2 25	675 00	9
Handlers.....	35	306	2 40	734 40	9.3
Handlers' helpers.....	29	297	1 21	359 37	9
Headers.....	1	194	2 25	436 50	9.5
Helpers.....	77	293	1 48	433 64	10
Inspectors.....	7	306	1 60	489 60	9
Jiggersmen.....	118	295	3 13	923 35	8.9
Jiggersmen's helpers.....	137	300	1 30	390 00	8.9
Jollymen.....	101	273	2 55	696 15	8.5
Jolly boys.....	6	260	1 75	455 00	8
Kiln men.....	807	276	2 36	652 36	10
Kiln placers.....	42	277	3 76	1,041 52	8.7
Knob makers.....	2	205	1 70	348 50	9
Laborers.....	697	297	1 50	445 50	9.6
Laborers (boys).....	81	289	.99	286 11	9
Loaders.....	10	294	1 65	467 10	10
Machine hands.....	3	205	1 00	205 00	9
Machinists.....	17	301	2 95	887 95	9.1
Mixers.....	2	300	1 75	525 00	10
Modelers.....	4	300	4 25	1,275 00	10
Mold makers.....	59	286	2 60	743 60	8.9
Mold runners.....	74	293	1 55	454 15	8.2
Packers.....	158	286	2 06	599 16	9.4
Packers' helpers.....	20	300	1 10	330 00	8.6
Potters.....	46	259	3 12	808 08	9.1
Pressers.....	237	293	2 80	820 40	8.7
Printers.....	5	289	3 10	905 90	9
Puggers.....	2	300	1 45	435 00	10
Repair men.....	2	300	2 25	675 00	9
Roll makers.....	3	194	1 25	242 50	9.5
Sagger makers.....	83	279	2 45	683 55	8.8
Saggermakers' helpers.....	8	300	1 75	525 00	8
Selectors.....	30	300	1 75	525 00	10
Shippers.....	3	296	1 80	532 80	10
Slip makers.....	131	281	1 84	517 04	9.4
Spongers.....	3	293	1 50	439 50	9
Stickers-up.....	22	297	2 25	668 25	9
Stock keepers.....	3	322	1 38	444 36	9.6
Teamsters.....	17	296	1 76	520 96	9

TABLE IVf—MANUFACTURES—CITIES—Continued.

POTTERY AND STONEWARE—54 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Tossers	2	260	\$1 75	\$ 455 00	9
Trimmer	1	302	1 35	407 70	10
Tube makers	2	205	1 60	328 00	9
Turners	45	281	2 53	710 93	8.6
Turners' helpers	6	300	1 50	450 00	9
Ware carrier	1	275	1 00	275 00	9
Warehouse men	130	277	1 90	526 30	9
Ware makers	15	300	4 00	1,200 00	9
Watchmen	16	277	1 67	462 59	10.4

POTTERS' SUPPLIES—7 ESTABLISHMENTS.

Apprentices	1	336	1 25	420 00	10
Chargers	4	270	1 75	472 50	11
Chaser men	3	270	1 75	472 50	10
Cylinder men	11	268	2 09	560 12	12
Engineers	6	268	2 53	723 58	12
Helpers	2	285	1 00	285 00	9.5
Kiln placers	12	297	1 83	543 51	9
Laborers	41	245	1 64	401 80	10
Machinists	3	336	2 00	672 00	10
Millwright	1	270	3 00	810 00	10
Millwright's helper	1	270	2 00	540 00	10
Pin makers	12	297	1 58	464 26	8.3
Saggermakers	13	286	3 76	1,075 36	8
Saggermakers helpers	3	240	1 50	360 00	8
Shp makers	2	285	1 85	527 25	10
Teamster	1	270	2 00	540 00	10
Watchman	1	316	1 00	316 00	10

PRINTING AND BINDING—246 ESTABLISHMENTS.

Advertisers	16	343	2 34	802 52	9.3
Apprentices	87	309	78	241 02	9.9
Artists	16	346	4 00	1,384 00	8
Binders	254	314	2 03	637 42	9.2
Carriers (boys)	158	313	22	68 86	....
Cartoonist	1	313	1 17	366 21	9
Circulators	2	337	2 25	758 25	8.5
Collectors	15	311	1 82	566 02	8.8
Compositors	782	307	2 17	666 19	9.1
Cutters	8	224	1 28	286 72	9.6
Editors	64	302	3 04	918 08	8.1
Electrotypers	35	308	2 58	794 64	9.1
Engineers	9	312	2 28	711 36	9.8
Engravers	18	307	2 59	795 13	9.2
Errand boys	10	320	69	220 80	9.1
Finishers	2	307	2 83	868 81	9
Fireman	1	308	2 50	770 00	9
Folders	7	295	68	200 60	9
Foremen	100	305	2 42	738 10	9
Foreman's assistant	1	313	83	259 79	8
Forwarder	1	300	3 00	900 00	9
Galley boys	5	332	1 10	365 20	8.6
Helpers	22	299	98	293 02	8.8
Janitors	5	308	1 35	415 80	9.6
Job-room hands	5	309	1 80	556 20	8.4
Laborers	81	312	1 47	458 64	9.1
Linotype operators	110	313	1 92	600 96	8.6
Lithographers	3	300	2 00	600 00	9.5
Machinists	11	305	2 55	777 75	9.2
Mallers	18	311	1 35	419 85	9
Office boys	3	302	65	196 30	9.3
Packer	1	303	1 00	303 00	9.3
Porters	8	306	1 56	477 36	9
Press feeders	219	310	1 45	449 50	9
Pressmen	274	362	2 30	832 60	9

TABLE IVf—MANUFACTURES—CITIES—Continued.

PRINTING AND BINDING—246 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pressmen (boys).....	3	308	\$ 66	\$ 203 28	8.5
Proof-readers.....	7	306	21	676 26	9.9
Reporters.....	138	307	1 96	601 72	9.9
Rulers.....	4	305	2 87	875 35	9.9
Shipping clerks.....	41	314	1 52	477 28	9.1
Solicitors.....	20	311	2 39	743 29	9.3
Stereotypers.....	9	247	2 32	573 04	9.9
Stereotypers' helpers.....	2	310	1 75	542 50	8.8
Stock cutters.....	3	302	2 33	703 66	9.1
Teamster.....	1	307	1 50	460 50	10.1
Telegraph operators.....	2	338	3 06	1,024 28	8.7
Transferers.....	5	317	3 96	1,255 32	8.8
Watchmen.....	4	312	1 81	564 72	10.1

PUMPS AND WATER WHEELS—10 ESTABLISHMENTS.

Blacksmiths.....	10	292	2 19	639 48	12.1
Carpenters.....	6	277	2 25	623 25	10.1
Core makers.....	10	291	2 10	611 10	10.1
Electrician.....	1	291	1 65	480 15	10.1
Engineers.....	3	294	2 13	626 22	10.1
Finishers.....	8	291	2 12	616 92	10.1
Fireman.....	1	291	1 60	465 60	10.1
Foundry hands.....	23	310	2 25	697 50	9.9
Laborers.....	95	263	1 52	399 76	10.1
Machine hands.....	101	291	1 40	407 40	10.1
Machinists.....	236	290	2 04	591 60	9.8
Molders.....	134	270	2 76	745 20	10.1
Mounters.....	10	291	1 90	552 90	10.1
Painters.....	7	291	1 66	483 06	10.1
Pattern makers.....	7	277	2 85	789 45	9.5
Pump makers.....	3	300	2 00	600 00	9.6
Repairer.....	1	200	1 25	250 00	10.1
Shipping clerks.....	3	291	1 72	500 52	10.1
Tool grinder.....	1	291	2 00	582 00	10.1
Trimmers.....	2	291	1 75	509 25	10.1
Watchman.....	1	291	2 00	582 00	10.1

ROOFING (IRON, STEEL AND TIN)—13 ESTABLISHMENTS.

Apprentices.....	3	287	1 00	287 00	8.3
Blacksmith.....	1	304	2 50	760 25	10.1
Carpenters.....	3	304	1 75	532 00	10.1
Ceiling department hands.....	25	304	1 75	532 00	10.1
Cornice makers.....	18	304	2 25	684 00	10.1
Draughtsmen.....	3	304	3 00	912 00	10.1
Foremen.....	7	290	2 42	701 80	9.7
Laborers.....	39	295	1 63	480 85	9.7
Machinists.....	7	300	2 12	636 00	10.1
Roofers.....	8	306	1 57	480 42	10.1
Shipper.....	1	304	1 75	532 00	10.1
Slaters.....	20	298	2 36	703 28	9.7
Teamsters.....	3	292	2 25	657 00	10.1
Tinners.....	39	302	2 39	721 78	9.6
Watchmen.....	2	308	1 39	428 12	10.1

RUBBER GOODS—15 ESTABLISHMENTS.

Blacksmiths.....	3	276	3 00	828 00	10.1
Carpenters.....	53	301	2 12	638 12	10.1
Curers.....	57	271	1 72	466 12	10.1
Dippers.....	4	285	1 69	481 65	10.1
Drill hands.....	135	276	2 25	621 00	10.1
Engineers.....	37	284	2 57	729 88	10.1
Factory clerks.....	4	275	2 25	618 75	10.1
Finisher.....	1	285	1 10	313 50	10.1
Fireman.....	36	297	2 07	614 79	11.1

TABLE IVf—MANUFACTURES—CITIES—Continued.

RUBBER GOODS—15 ESTABLISHMENTS—Concluded.

Occupation — male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Foremen.....	20	279	\$3 35	\$ 934 65	10
Grinders.....	8	280	2 75	770 00	10
Heater workers.....	14	307	1 90	583 30	11
Helpers.....	8	305	1 00	305 00	10
Hose hands.....	19	276	2 00	552 00	10
Laborers.....	1,753	301	1 79	538 79	10
Machine hands.....	9	217	1 40	303 80	10
Machinists.....	110	296	2 81	831 76	10
Mill hands.....	71	296	1 77	523 92	10
Packers.....	12	283	1 77	500 91	10
Pipe fitters.....	5	275	2 65	728 75	10
Plumbers.....	12	300	2 00	600 00	10
Power department hands.....	5	380	2 25	855 00	12
Press workers.....	49	295	1 75	516 25	10
Receivers.....	13	300	2 00	600 00	10
Repair men.....	20	304	1 44	437 76	10
Rubbers.....	6	280	2 90	812 00	10
Rubber workers.....	657	297	1 75	519 75	10
Shippers.....	11	280	1 95	546 00	10
Steam fitter.....	1	307	2 75	844 25	10.5
Tire inspectors.....	3	307	1 80	552 60	10.5
Tire makers.....	658	303	2 20	666 60	10
Turners.....	85	278	2 64	733 92	10
Vulcanizers.....	5	229	1 55	354 95	10
Watchmen.....	4	275	1 97	541 75	13
Weigher.....	1	307	2 25	690 75	10.5
Wood workers.....	2	380	2 00	760 00	10

SAFES, VAULTS AND LOCKS—4 ESTABLISHMENTS.

Benders.....	4	286	1 25	357 50	10
Blacksmiths.....	66	305	2 15	655 75	9.9
Bolt workers.....	32	307	2 40	736 80	10
Box makers.....	76	301	2 05	617 05	9.9
Burglar-proof department hands.....	166	307	2 11	647 77	10
Cabinet makers.....	42	307	2 30	706 10	10
Carpenters.....	25	300	1 75	525 00	10
Cleaners.....	2	286	1 25	357 50	10
Cupola men.....	2	286	1 75	500 50	10
Door makers.....	99	301	1 95	586 95	10
Drill-press hands.....	8	306	3 78	238 68	9.5
Engineers.....	3	299	3 02	902 98	9.9
Erectors.....	2	306	2 08	636 48	9.5
Firemen.....	2	307	2 00	614 00	10
Fire-proof department hands.....	143	307	2 14	656 98	10
Fitters.....	2	306	1 83	559 98	9.5
Foremen.....	5	306	2 87	878 22	9.5
Formdry men.....	12	307	2 10	644 70	10
Grinders.....	3	286	1 25	357 50	10
Hinge makers.....	5	300	1 75	525 00	10
Jail department hands.....	30	307	2 00	614 00	10
Laborers.....	88	304	1 59	483 36	9.9
Lathe hands.....	20	300	2 00	600 00	10
Lock setters.....	63	299	1 97	589 03	10
Locksmiths.....	71	307	1 37	420 59	10
Machine hands.....	4	306	2 23	682 38	9.5
Machinists.....	57	305	2 13	649 65	10
Millwrights.....	2	307	2 40	736 80	10.3
Molders.....	20	286	2 50	715 00	10
Oilers.....	2	307	1 90	583 30	10.5
Packers.....	2	286	1 25	357 50	10
Painters.....	141	305	2 02	616 10	10
Pattern filers.....	2	307	2 06	632 42	10
Planer hands.....	39	301	1 89	568 69	9.8
Platers.....	7	301	1 78	535 78	10
Polishers.....	30	307	2 27	696 89	10
Rubbers.....	2	286	1 35	386 10	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

SAFES, VAULTS AND LOCKS—4 ESTABLISHMENTS—Concluded.

Occupation — male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Safe fillers	9	302	\$2 53	\$ 764 06	10
Safe makers	5	306	1 77	541 62	9.5
Shippers	3	307	2 66	816 62	10
Straighteners	3	299	1 97	589 03	9.6
Strippers	3	286	2 25	643 50	10
Supply men	3	307	2 05	629 35	10.3
Tool dressers	3	307	2 31	709 17	10.3
Tool makers	41	307	2 41	739 87	10
Vault constructors	58	303	1 88	569 64	10
Watchmen	2	306	1 91	584 46	10.7

SASH, DOORS, LUMBER AND INTERIOR FINISH—134 ESTABLISHMENTS.

Apprentice	1	300	75	225 00	9
Blacksmiths	2	303	1 83	554 49	10
Bricklayer	1	305	4 50	1,378 00	9
Cabinet makers	45	292	2 17	633 64	9.9
Carpenters	637	272	2 36	641 92	8.9
Carriers	2	212	1 50	318 00	10
Carver	1	286	1 50	429 00	9
Choppers	3	228	2 10	478 80	10
Chucks	10	275	1 00	275 00	10
Crate makers	8	140	1 25	175 00	10
Cutters	18	278	1 63	453 14	9.9
Enamellers	12	275	1 50	412 50	10
Engineers	73	279	1 96	547 84	9.9
Filers	2	258	3 75	967 50	10
Finishers	36	265	1 80	477 00	9.8
Floor layers	2	304	1 75	532 00	10
Firemen	11	269	1 54	414 26	10
Foremen	48	273	2 52	687 96	9.7
Glaziers	3	303	1 91	578 73	9.6
Gluers	28	304	1 35	410 40	10
Grader	1	290	2 50	725 00	10
Helpers	100	290	1 14	330 00	10
Hostlers	5	292	1 70	496 40	10
Inspectors	12	279	2 18	608 22	10
Laborers	532	271	1 51	258 21	9.6
Laborers (boys)	10	288	1 03	296 64	9.1
Lumber carriers	3	285	1 65	471 25	9
Lumber pilers	5	304	1 54	468 16	10
Machine hands	464	281	1 81	508 61	9.5
Machinists	10	304	1 75	532 00	10
Masons	5	307	3 64	1,117 48	9
Mechanic	1	308	2 00	616 00	9
Mill hands	310	266	1 99	529 34	9.5
Nailer	1	309	1 35	417 15	9
Off bearer	1	300	1 75	525 00	10
Packers	4	310	1 46	452 60	10
Painters	19	304	1 92	583 68	9.5
Piece workers	8	204	1 50	306 00	10
Planers	2	312	1 90	592 80	9.5
Plumber	1	309	4 50	1,390 50	10
Plumber's helper	1	309	1 80	556 20	10
Sanders	6	335	1 35	552 25	10
Sawyers	36	275	2 12	583 00	9.5
Setters	5	280	1 85	518 00	9.6
Shippers	4	285	1 77	477 45	9.7
Teamsters	249	294	1 60	470 40	9.5
Teamsters (with team)	7	238	3 50	933 00	10
Timber buyers	3	286	2 25	643 50	10
Turners	33	276	1 95	538 20	9.8
Watchmen	18	271	1 40	379 40	10.8
Wires	2	300	1 25	375 00	10
Wood workers	95	294	1 97	579 18	9.9
Yard hands	186	275	1 52	418 00	10

TABLE IVf—MANUFACTURES—CITIES—Continued.
SLAUGHTERING AND MEAT PACKING—5 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Butchers.....	28	319	\$2 10	\$ 669 90	10
Drivers.....	3	313	1 83	572 79	10
Engineers.....	2	365	2 25	821 25	12
Fireman.....	1	313	1 90	594 70	10
Foreman.....	1	365	2 25	821 25	10
Helpers.....	2	313	1 63	510 19	10
Laborers.....	3	310	1 50	465 00	10
Lard man.....	1	313	1 90	594 70	10
Packers.....	15	302	1 80	543 60	10
Pickle man.....	1	313	1 90	594 70	10
Salter.....	1	365	2 25	821 25	10
Sausage makers.....	6	321	2 00	642 00	10

SOAP, CANDLES AND TALLOW—9 ESTABLISHMENTS.

Cutters.....	2	300	2 00	600 00	9.5
Engineers.....	2	270	1 83	494 10	9.7
Laborers.....	20	270	1 75	472 50	10
Laborers (boys).....	4	300	1 00	300 00	10
Presser.....	1	300	1 90	570 00	9.5
Soap boilers.....	7	286	2 36	674 96	9.8
Tank men.....	4	300	2 25	675 00	10
Teamsters.....	4	300	2 25	675 00	10

SODA AND MINERAL WATERS—47 ESTABLISHMENTS.

Bottlers.....	41	305	1 79	545 95	9.2
Bottle washers.....	36	289	1 34	388 26	9.4
Drivers.....	46	311	1 97	612 67	9.6
Foreman.....	1	312	2 50	780 00	9
Helpers.....	3	302	1 16	350 32	9
Hostler.....	1	365	2 00	730 00	10
Laborers.....	35	220	1 08	237 60	9.5
Laborer (boy).....	1	350	40	140 00	8
Pop maker.....	1	300	1 00	300 00	10
Watchman.....	1	313	1 83	572 79	12

STEEL, IRON AND TIN—59 ESTABLISHMENTS.

Annealers.....	102	248	1 89	468 72	10
Annealers' helpers.....	4	100	1 50	150 00	10
Apprentices.....	20	303	1 20	362 40	10
Assorters.....	23	229	2 20	503 80	10
Ash men.....	6	283	1 66	469 78	11
Bar mill men.....	145	238	2 18	518 84	10
Barrow men.....	16	267	1 95	520 65	12
Bar shear man.....	1	295	5 00	1,475 00	10
Blacksmiths.....	229	275	2 54	698 50	10
Blacksmiths' helpers.....	24	207	1 70	351 90	10
Blooming department hands.....	78	253	3 14	794 42	12
Blowers.....	4	266	3 75	997 50	12
Boiler-house men.....	136	273	4 50	1,128 50	10
Boiler makers.....	92	296	2 24	663 04	10
Dippers.....	48	279	3 43	956 97	10
Dock hands.....	141	303	4 67	1,415 01	11
Doublers.....	270	252	5 39	1,358 28	8
Drag-outs.....	2	298	3 00	894 00	10
Draughtsmen.....	8	276	3 16	872 16	9.6
Drawers.....	2	308	2 00	616 00	10
Electricians.....	204	290	2 30	667 00	11
Engineers.....	260	255	2 47	629 85	11.1
Fillers.....	246	272	1 76	478 72	11.9
Fillers' helpers.....	46	288	2 14	616 32	12
Finishers.....	1,340	289	1 99	575 11	10
Firemen.....	203	251	1 96	490 00	11.1
Flyer.....	1	308	1 75	539 00	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

STEEL, IRON AND TIN—59 ESTABLISHMENTS—Continued.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Foremen.....	119	269	\$2 82	\$758 58	10
Foundry hands.....	4	272	3 50	952 00	12
Furnace men.....	1,058	257	2 01	516 57	10
Galvanizers.....	30	292	2 10	613 20	12
Gas producers.....	131	269	2 11	567 59	12
Gin hands.....	6	125	1 20	150 00	10
Greasers.....	10	281	1 93	542 33	11
Guide setters.....	4	278	2 81	781 18	12
Hammer men.....	22	101	3 81	384 81	8.1
Heaters.....	547	251	6 65	1,669 15	8.7
Heaters' helpers.....	179	253	3 09	781 77	10
Helpers.....	108	285	2 49	709 65	8.9
Helpers (boys).....	17	278	1 14	316 92	12
Hoist men.....	5	278	2 46	683 88	9.6
Hookers.....	9	300	4 46	1,338 00	10
Hook-ups.....	14	218	2 45	534 10	11
Hot mill men.....	20	273	2 22	606 06	11
Ingot and billet handlers.....	16	121	1 40	169 40	10
Inspectors.....	32	296	1 97	583 12	10
Iron breakers.....	14	325	3 00	975 00	10
Iron carriers.....	151	286	2 32	663 52	10
Iron tappers.....	12	278	4 40	1,223 20	8
Iron workers.....	1,652	293	2 09	612 37	10
Keepers.....	26	241	2 35	566 35	11.5
Keepers' helpers.....	48	263	2 08	547 04	12
Laboratory hands.....	2	255	1 88	479 40	10
Laborers.....	7,342	259	1 56	404 04	10
Ladlemen.....	28	261	2 20	574 20	12
Leaders.....	4	233	2 25	524 25	8
Loaders.....	213	293	1 95	571 35	9.8
Machinists.....	868	262	2 03	531 86	10
Machinists' apprentices.....	6	281	1 25	351 25	10
Machinists' helpers.....	13	199	1 95	388 05	10
Manipulators.....	2	278	3 60	1,000 80	12
Master mechanics.....	4	194	3 67	711 98	11
Matchers.....	81	266	2 13	566 58	8
Mechanical department hands.....	252	361	2 47	644 67	10
Melters.....	7	244	4 67	1,139 48	10
Millwrights.....	87	276	2 48	684 48	10
Millwrights' assistants.....	2	292	1 75	511 00	10
Miners.....	263	259	2 24	580 16	8
Molders.....	139	290	2 96	858 40	9.4
Oilers.....	23	249	2 22	552 78	11
Open hearth department hands.....	15	200	2 50	500 00	10
Openers.....	66	249	1 94	483 06	9
Ore men.....	12	317	2 03	643 51	12
Packers.....	9	294	1 50	441 00	10
Painters.....	6	296	2 65	784 40	10
Pair heaters.....	81	276	2 52	695 52	8
Pan men.....	2	278	1 85	514 30	12
Pattern makers.....	27	290	2 70	783 00	10
Picklers.....	122	242	1 90	459 80	10
Picklers' helpers.....	4	100	1 50	150 00	10
Pipe cutters.....	81	239	1 76	420 64	10
Pipe fitters.....	109	292	2 22	648 24	10
Pipe men.....	103	281	1 60	449 60	10
Pit men.....	26	157	1 57	246 49	12
Pourers.....	11	285	3 89	1,108 65	8.7
Puddlers.....	525	231	5 30	1,224 30	9.8
Puddlers' helpers.....	581	216	2 65	572 40	9.5
Pump men.....	8	278	1 96	544 88	12
Quarry men.....	4	300	1 25	375 00	10
Railway employes.....	40	288	2 38	685 44	10
Rammers.....	20	281	1 75	491 75	10
Recorders.....	6	278	1 88	520 64	12
Regulators.....	4	278	3 60	1,000 80	12

TABLE IVf—MANUFACTURES—CITIES—Continued.

STEEL, IRON AND TIN—59 ESTABLISHMENTS—Continued.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Riggers.....	50	289	\$2 16	\$ 624 24	10
Risers.....	141	237	1 96	464 52	8.5
Rollers.....	537	252	11 00	2,772 00	8.8
Rollers' helpers.....	56	205	3 34	684 70	10
Roll hands.....	344	255	2 71	691 05	10
Roll train hands.....	50	303	6 03	1,827 09	12
Roll turners.....	139	277	2 99	828 23	10
Roll turners' helper.....	1	53	75	39 75	10
Roofing works hands.....	10	230	1 75	402 50	10
Rope makers.....	5	281	2 00	562 00	10
Roughers.....	222	260	4 13	1,073 80	9.1
Run-downs.....	14	280	3 50	980 00	10
Safety department hands.....	23	296	1 94	574 24	12
Sailors.....	2	278	2 00	556 00	12
Sand cutters.....	4	281	2 50	702 50	10
Scalmen.....	4	278	1 90	528 20	12
Scrap boys.....	8	293	1 32	386 76	10
Scrap men.....	14	273	1 95	332 35	10
Scrappers.....	25	230	6 14	1,412 20	9.8
Scrappers' helpers.....	42	230	3 08	708 40	9.4
Screeners.....	10	278	1 72	488 16	10
Screw boys.....	165	240	2 21	530 40	8
Setters.....	3	278	5 00	1,390 00	8
Shear men.....	453	271	3 19	864 49	9.8
Shearmen's helpers.....	198	242	1 98	479 16	9.9
Sheet mill men.....	1,216	210	2 74	575 40	8.8
Shippers.....	11	276	2 04	563 04	10
Skipmen.....	2	267	2 10	560 70	12
Skull breakers.....	4	278	1 74	483 72	12
Socket heaters.....	26	139	2 20	305 80	10
Socket tappers.....	76	298	1 75	521 50	10
Stackers.....	28	121	1 85	223 85	12
Steam fitters.....	2	281	2 25	632 25	10
Stockers.....	91	303	3 82	1,157 46	12
Stool men.....	2	278	1 74	483 72	12
Stone masons.....	17	268	2 44	653 92	9.6
Stopper maker.....	1	278	2 25	625 50	12
Store room hands.....	4	250	2 32	580 00	11
Stove tenders.....	19	305	2 03	619 15	12
Straighteners.....	199	290	3 12	904 80	10
Stranders.....	4	298	2 25	670 50	10
Strippers.....	4	278	2 22	617 16	12
Sweeper.....	1	278	1 74	483 72	12
Switch-board men.....	2	278	2 10	583 80	12
Table men.....	2	317	2 20	697 40	12
Tallymen.....	4	278	1 68	467 04	12
Teamsters.....	22	290	1 65	478 00	10
Testers.....	12	114	1 83	208 62	10
Time keepers.....	2	158	2 12	334 96	11
Tin men.....	26	231	1 98	457 38	8.6
Tool men.....	2	278	1 74	483 72	12
Top chargers.....	3	278	3 60	1,000 80	8
Transfer men.....	6	278	2 20	611 60	12
Turn men.....	52	344	2 20	756 80	12
Unloaders.....	72	306	2 22	679 32	10.1
Vessel men.....	3	278	5 65	1,570 70	8
Vessel men's helpers.....	3	278	5 00	1,390 00	8
Warehouse men.....	8	251	1 63	409 13	10
Washers.....	4	275	1 98	544 50	11
Watchmen.....	46	299	1 57	469 43	12
Water tenders.....	98	275	1 90	522 50	12
Weighers.....	18	281	1 98	556 38	11
Welders.....	180	299	1 99	595 01	10
Wheelers.....	33	278	3 39	942 42	8.1
Wipers.....	8	278	1 87	519 86	11.5
Wire nailers.....	13	253	2 60	657 80	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

STEEL, IRON AND TIN—59 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Wire nailers' helpers	85	253	\$1 60	\$404 80	10
Wire workers	25	253	2 65	670 45	10
Wrenchers	2	278	3 20	889 60	12
Yard men	143	303	2 23	675 69	10
STENCILS, STAMPS AND SEALS—2 ESTABLISHMENTS.					
Apprentice	1	313	85	266 05	10
Stamp maker	1	300	75	225 00	10
STONE (CUT, SAWED AND ARTIFICIAL)—7 ESTABLISHMENTS.					
Cement workers	4	250	3 00	750 00	9
Crushers	2	252	2 00	504 00	10
Driller	1	252	2 00	504 00	10
Engineers	9	265	1 90	503 50	10
Foremen	2	306	1 75	535 50	11
Hoisters	6	306	1 50	459 00	11
Laborers	114	258	1 57	405 06	9.7
Quarrymen	170	264	1 64	432 96	10
Sawyers	2	306	1 75	535 50	11
Shovelers	10	252	2 00	504 00	10
Teamsters	5	246	2 70	664 20	10
STOVES, RANGES AND FURNACES—40 ESTABLISHMENTS.					
Apprentices	16	244	89	217 16	9.4
Assemblers	7	285	2 25	641 25	9.7
Blacksmith	1	305	2 00	610 00	9
Body makers	6	206	2 16	444 96	10
Buffers	7	278	1 73	480 94	10
Carpenters	33	288	2 20	633 60	9.8
Cleaners	14	266	1 76	468 16	9.7
Closet maker	1	300	2 00	600 00	10
Core makers	14	278	1 74	483 72	10
Craters	14	261	1 50	391 50	10
Cupola tenders	18	256	1 96	501 76	9.7
Drillers	2	283	1 50	424 50	10
Engineers	27	261	2 07	540 27	10
Finishers	7	278	1 64	455 92	10
Fireman	1	290	1 65	478 50	10
Fitters	92	278	1 46	405 88	9.9
Flask carrier	1	280	1 75	490 00	10
Follow boarders	2	120	2 25	270 00	10
Foremen	20	278	2 88	800 64	9.9
Foundry men	21	258	1 55	399 90	10
Furnace men	27	287	1 81	519 47	9.8
Grinders	5	192	1 30	249 60	10
Helpers	26	299	1 63	487 37	10
Inspectors	3	280	2 50	700 00	9.5
Japanners	10	286	1 98	566 28	9.8
Laborers	566	275	1 47	404 25	9.9
Laborers (boys)	8	290	1 00	290 00	9
Machine hands	54	282	2 00	564 00	10
Machinists	64	277	2 37	656 49	9.7
Millwright	1	290	2 25	652 50	10
Molders	1,064	274	3 11	852 14	9.5
Molders' apprentices	39	278	1 38	383 64	8.5
Molders' helpers	10	280	1 75	490 00	10
Mounters	397	278	2 41	669 98	9.9
Mounters' apprentice	5	284	1 20	340 80	10
Packers	4	275	1 42	390 50	9.7
Painters	4	190	1 75	332 50	10
Pattern filers	9	205	2 66	545 30	10
Pattern makers	33	279	2 86	797 94	10
Platers	92	280	2 19	613 20	9.9

TABLE IVf—MANUFACTURES—CITIES—Continued.
STOVES, RANGES AND FURNACES—40 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Polishers.....	106	280	\$2 26	\$632 80	9.9
Porters.....	17	276	1 60	441 60	10
Pressmen.....	28	272	1 95	258 40	10
Punch man.....	1	300	1 50	450 00	10
Range makers.....	39	261	1 84	480 24	9.8
Receiving clerk.....	1	300	1 65	495 00	10
Riveter.....	1	300	2 00	600 00	10
Shear man.....	1	300	1 65	495 00	10
Sheet metal workers.....	10	309	2 40	741 60	9.8
Shipping clerks.....	7	278	1 77	492 00	9.7
Stake holder.....	1	300	1 50	450 00	10
Stock keepers.....	6	283	1 41	399 03	10
Teamsters.....	8	291	1 83	532 53	9.7
Tinners.....	119	279	2 20	613 80	10
Tool makers.....	5	290	2 75	797 50	10
Watchmen.....	8	278	1 51	419 78	11

STRAWBOARDS AND PAPER—25 ESTABLISHMENTS.

Ash wheeler.....	1	233	1 40	326 20	12
Back tenders.....	49	258	1 43	368 94	11
Balers.....	3	308	1 44	443 52	10
Beater men.....	71	267	1 75	467 25	11
Beater men's helpers.....	60	258	1 49	384 42	11.9
Blacksmith.....	1	277	2 75	761 75	10
Bleach men.....	16	242	1 49	360 58	9.5
Boiler-room men.....	8	249	1 42	353 58	10
Box makers.....	2	311	1 41	438 51	10
Calender tenders.....	8	304	1 84	559 36	11.5
Calender tenders' helpers.....	2	280	1 60	448 00	10
Carpenters.....	6	307	1 68	515 76	10
Cellar men.....	3	310	1 05	325 50	10
Cinder men.....	2	230	1 50	345 00	12
Coal heavers.....	3	240	1 50	360 00	11.3
Coal wheelers.....	2	256	1 50	384 00	12
Cutters.....	32	243	1 43	347 49	10
Cutters (boys).....	38	269	92	247 48	9.5
Dumpers.....	6	222	1 44	319 68	11
Dusters.....	2	308	1 45	446 60	10
Engineers.....	61	266	2 47	657 02	11.8
Engineers' helpers.....	20	295	1 53	451 35	12
Feeders.....	20	275	85	233 75	10
Finishers.....	71	245	1 74	426 30	10
Firemen.....	63	230	1 76	404 80	11.5
Firemen's helpers.....	38	299	1 76	526 24	12
Foremen.....	8	280	2 15	502 00	11
Helpers.....	99	306	1 22	373 32	10
Laborers.....	377	263	1 52	399 76	10
Laborers (boys).....	10	160	85	136 00	11
Lay boys.....	6	306	1 17	358 02	12
Lime slackers.....	4	210	1 55	325 50	10
Loaders.....	3	200	1 50	300 00	10
Machine men.....	420	305	1 80	549 00	12
Machine tenders.....	80	251	2 66	667 66	12
Machine tenders' helpers.....	12	280	1 37	383 60	10
Machinists.....	17	230	2 07	476 10	10
Millwrights.....	67	295	2 35	693 25	10
Millwrights' helpers.....	3	279	1 66	483 14	9.3
Nailers.....	3	230	1 50	345 00	10
Oilers.....	3	277	1 50	415 50	12
Pipe fitters.....	3	277	2 00	554 00	10
Pluggers-up.....	4	277	1 40	387 80	12
Pressmen.....	6	275	2 00	550 00	10
Pulp grinders.....	7	281	1 34	376 54	11
Punchers.....	2	233	1 50	349 50	12
Rag handler.....	1	306	1 50	459 00	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

STRAWBOARDS AND PAPER—25 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Repair men	10	200	\$1 76	\$352 00	10
Roll boys	11	285	1 04	296 40	11
Roll tenders	4	280	1 10	308 00	12
Rotary men	47	235	1 51	354 85	11.3
Rotary men's helpers	10	271	1 50	406 50	10
Saw filer	1	307	1 75	537 25	10
Screen tenders (boys)	2	306	1 00	306 00	10
Sheet liner men	4	200	1 35	270 00	10
Shipping clerks	4	281	1 78	500 15	9.7
Shoveler	1	306	1 50	459 00	10
Sorters	4	277	1 45	401 65	10
Stock handlers	34	221	1 51	333 71	11
Straw buyer	1	233	3 33	775 89	10
Sulphite makers	24	277	1 70	480 90	12
Teamsters	52	222	1 75	388 50	10
Warehouse men	2	208	1 75	364 00	12
Washer men	2	306	1 67	511 02	12
Watchmen	7	274	1 60	438 40	11.5
Water tenders	2	277	2 20	609 40	12
Wax tenders	4	311	1 50	466 50	12
Yard men	20	218	1 82	396 76	10

SUCKER RODS—2 ESTABLISHMENTS.

Helpers	2	300	1 75	525 00	9
Iron workers	8	300	2 25	675 00	9
Laborers	10	300	2 50	750 00	9
Machinist	1	300	2 50	750 00	9
Mechanics	14	302	1 68	507 36	10
Welders	2	300	2 50	750 00	9

TINWARE, SHEET-IRON AND GALVANIZED IRONWARE—44 ESTABLISHMENTS.

Apprentices	4	301	91	273 91	9.2
Beaders	3	308	1 50	462 00	10
Blacksmiths	7	292	2 05	598 60	10
Bundlers	2	292	1 67	487 64	10
Burners	58	294	2 00	588 00	9.6
Can makers	3	290	1 75	507 50	10
Carpenters	17	285	1 98	564 30	10
Cornice makers	22	294	2 25	661 50	10
Crate makers	2	300	2 50	750 00	10
Cutters	12	291	2 00	582 00	10
Dippers	14	308	1 50	462 00	12
Draughtsmen	7	293	2 85	835 05	9.7
Enamellers	45	296	1 80	532 80	10
Engineers	12	245	69	169 05	10
Finishers	2	300	1 90	570 00	10
Firemen	7	289	1 89	546 21	11.3
Foremen	38	273	2 82	769 86	10
Galvanizers	14	211	2 11	445 21	10
Helpers	55	300	1 30	390 00	9.8
Hoopers	1	300	2 50	750 00	10
Jacket makers	6	178	1 39	347 42	10
Jointers	4	300	2 00	600 00	10
Laborers	522	286	1 19	340 34	9.9
Laborers (boys)	20	292	99	289 08	10
Machine hands	119	289	1 60	462 40	9.9
Machinists	47	293	2 60	761 80	9.8
Metal workers	69	286	1 88	537 68	9.8
Modelers	9	291	2 30	669 30	10
Molders	3	291	1 90	552 90	10
Off-bearers	10	308	87	267 96	10
Packers	69	289	1 61	465 29	9.8
Painters	9	298	2 15	640 70	10
Patchers	7	291	90	261 90	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

TINWARE, SHEET-IRON AND GALVANIZED IRONWARE—44 ESTABLISHMENTS.
Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pattern makers.....	1	300	\$3 00	\$900 00	10
Picklers.....	34	298	1 65	491 70	10
Pressmen.....	59	238	1 73	411 74	9.8
Riveters.....	28	298	1 56	464 88	10
Roll feeder.....	1	292	1 50	438 00	10
Sawyer.....	1	300	1 90	570 00	10
Sheet-iron workers.....	17	308	1 67	514 36	10
Shippers.....	9	233	1 83	426 39	10
Slaters.....	7	300	2 50	750 00	9.2
Solderers.....	44	284	2 30	653 20	10
Spinners.....	7	301	1 97	592 97	10
Stampers.....	42	295	1 75	516 25	10
Stock keeper.....	1	178	2 00	356 00	10
Teamsters.....	3	260	1 75	455 00	10
Testers.....	3	178	1 41	250 98	10
Tinners.....	73	286	2 16	617 76	9.7
Tinners' helper.....	1	300	1 00	300 00	9
Turners.....	2	300	3 25	975 00	10
Watchmen.....	4	264	1 50	396 00	12
Wood workers.....	11	291	2 00	582 00	10

TOBACCO (CHEWING AND SMOKING)—8 ESTABLISHMENTS.

Bulk-room hands.....	22	306	1 39	425 34	10
Casers.....	12	309	1 49	460 41	10
Cutters.....	2	288	2 00	576 00	9
Dippers.....	64	305	1 30	396 50	9.9
Elevator hands.....	2	300	1 65	495 00	10
Engineers.....	3	299	2 16	645 84	9
Feeders.....	2	288	1 54	443 52	9
Firemen.....	3	306	2 04	624 24	10
Foremen.....	3	301	2 16	650 16	9.3
Laborers.....	186	297	1 44	427 68	10
Layers.....	8	310	1 25	387 50	10
Machine hands.....	48	306	1 64	501 84	10
Millers.....	11	300	2 00	600 00	12
Packers.....	43	302	1 36	410 72	10
Pressmen.....	51	305	1 31	399 55	9.8
Shakers.....	14	307	1 25	383 75	10
Shippers.....	22	305	1 42	433 10	9.9
Spinners.....	75	306	2 18	667 08	10
Spreaders.....	8	300	1 25	375 00	10
Stampers.....	16	306	1 07	327 42	10
Stemmers.....	188	286	2 92	826 12	9.4
Teamsters.....	2	306	2 87	883 96	10
Weigher.....	1	300	1 50	450 00	10

TOOLS—20 ESTABLISHMENTS.

Apprentices.....	14	268	1 00	268 00	9.5
Blacksmiths.....	42	296	3 26	964 96	9.4
Blacksmiths' helpers.....	65	297	1 80	534 60	10
Carpenters.....	6	292	2 28	665 76	9.6
Core makers.....	38	286	2 17	620 62	9.9
Crane men.....	20	285	1 90	541 50	10
Die cutter.....	1	287	1 50	430 50	10
Draughtsmen.....	37	285	3 90	1,111 50	9
Drill men.....	7	253	1 32	333 96	10
Electricians.....	3	285	2 80	798 00	10
Engineers.....	12	289	2 10	606 90	9.9
File cutters.....	2	300	1 87	561 00	10
Firemen.....	8	289	1 76	508 64	10
Foremen.....	3	266	3 66	973 56	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

TOOLS—20 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Foundry men	112	285	\$1 80	\$513 00	10
Grinders	16	296	28 04	781 44	8.5
Glass workers	3	264	2 00	528 00	9.5
Helpers	35	301	2 33	400 33	9.4
Hoe makers	12	300	2 28	675 00	9
Ironers	4	287	1 75	502 25	10
Laborers	87	263	1 53	402 39	9.9
Machine hands	84	292	1 71	509 32	10
Machinists	482	282	2 70	761 40	9.8
Machinists' helpers	2	300	2 00	600 00	10
Millwrights	9	285	2 50	712 50	10
Molders	65	279	3 33	929 07	10
Molders' helpers	59	285	1 60	456 00	10
Packers	12	297	1 47	436 59	10
Painters	21	285	1 78	507 30	10
Pattern makers	27	285	2 60	741 00	10
Plane makers	18	300	2 25	675 00	9
Platers	2	287	1 25	358 75	10
Polishers	9	295	1 91	563 45	8.6
Pressmen	2	287	1 50	430 50	10
Punch hand	1	240	1 50	360 00	10
Sanders	2	287	1 50	430 50	10
Saw makers	3	306	2 58	789 48	9
Tapper	1	240	1 25	300 00	10
Teamsters	4	299	1 64	484 38	9.7
Trimmers	3	287	1 50	430 50	10
Turners	2	300	1 87	561 00	9
Watchmen	4	285	2 10	598 50	10
Wood workers	16	257	2 21	567 97	10

UMBRELLAS AND PARASOLS—2 ESTABLISHMENTS.

Frame makers	2	290	1 00	290 00	10
Operators	16	300	1 50	450 00	9.5

WIRE RODS, WIRE CLOTH AND WIRE GOODS—9 ESTABLISHMENTS.

Annealers	10	283	1 89	532 87	11
Bird cage makers	6	300	1 75	525 00	10
Bundlers	12	283	1 82	513 06	11
Carpenters	5	300	2 00	600 00	10
Drawers	72	262	2 79	730 98	11
Electrician	1	283	2 50	707 50	12
Engineers	9	251	1 61	494 11	11
Fence department hands	10	250	1 00	250 00	7
Firemen	4	210	1 25	262 50	10
Foremen	5	246	3 06	752 76	10
Helpers	20	300	1 30	273 00	10
Iron workers	20	300	2 25	675 00	10
Laborers	54	231	1 30	300 30	9.9
Machinists	29	242	2 16	522 72	10
Nail mill workers	102	274	2 09	572 66	10
Packers' helpers	15	210	2 75	157 50	10
Platers	7	300	2 25	675 00	10
Punch makers	12	300	2 00	600 00	10
Riddle makers	4	300	1 75	525 00	10
Shop hands	20	283	1 70	481 10	11
Shippers	4	283	1 94	549 02	11
Shovel department hands	15	250	1 15	287 50	7
Sifters	15	300	1 15	345 00	10
Twister	1	319	2 25	717 75	9
Warehouse men	5	210	1 28	278 80	10
Watchman	1	300	1 90	570 00	10
Weavers	9	305	2 27	692 35	8.8
Wire mill workers	62	296	2 48	734 08	10
Yard hands	8	283	1 76	498 08	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

MISCELLANEOUS—74 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentices	3	300	\$1 25	\$ 375 00	10
Assemblers	23	201	1 38	277 38	9.8
Bench hands	15	303	1 80	545 40	10
Blacksmiths	2	180	2 00	360 00	9
Box makes	81	308	1 02	314 16	10
Bread board makers	4	300	2 00	600 00	10
Brush maker	1	303	1 10	333 30	10
Bronzer	1	308	2 00	616 00	10
Buffers	7	261	1 89	493 29	10
Bushelman	1	306	2 00	612 00	10
Cabinet makers	2	300	2 00	600 00	10
Carpenters	46	261	2 49	649 89	9.9
Case maker	1	228	2 00	456 00	10
Casket trimmers	4	306	2 00	612 00	10
Chemists	4	60	2 50	150 00	10
Coopers	3	220	1 66	365 20	10
Core maker	1	300	1 50	450 00	10
Crayon molders	13	308	1 53	471 24	8
Culler	1	230	1 75	402 50	10
Cutters	2	180	2 37	426 60	9.9
Die maker	1	293	3 50	1,025 50	10
Draughtsman	1	304	2 33	708 32	10
Draymen	2	282	1 33	375 06	10
Drill hands	6	305	1 08	329 40	9.6
Dry-room hand	1	289	1 50	433 50	10
Electricians	4	310	2 50	775 00	10
Engineers	19	227	2 24	508 48	10.6
Erectors	6	216	1 90	410 40	10
Fillers	4	278	1 60	444 80	10
Fillers	4	300	1 50	450 00	10
Finishers	35	288	1 71	492 48	10
Firemen	2	297	1 90	564 30	10
Foremen	2	264	1 87	493 68	10
Galvanizers	5	200	1 50	300 00	10
Gilders	2	308	2 00	616 00	10
Grill makers	3	300	1 33	399 00	10
Grinders	3	300	1 75	525 00	10
Heater	1	103	2 00	206 00	10
Helpers	27	281	1 15	323 15	10
Inspectors	5	268	1 50	402 00	10
Janitor	1	159	1 50	238 50	10
Jiggerman	1	214	1 75	374 50	8
Joiner	1	308	1 50	462 00	10
Laborers	411	226	1 54	348 04	10
Laborers (boys)	11	299	80	239 20	10
Machine hands	50	262	1 60	419 20	10
Machinists	74	290	2 37	687 30	9.9
Masons	7	300	4 57	1,371 00	9
Mechanics	9	273	2 67	728 91	10
Metal workers	160	307	1 94	595 58	10
Mill men	14	302	1 75	528 50	10
Mixer	1	302	1 83	552 66	9
Molders	2	300	1 50	450 00	10
Nailers	3	282	1 50	423 00	10
Packers	8	298	1 18	351 64	9.5
Painters	31	303	2 07	627 21	10
Paste boys	2	290	1 25	362 50	10
Photographer	1	155	1 00	155 00	9
Platers	5	185	1 74	321 90	10
Polish maker	1	302	2 00	604 00	10
Polishers	24	280	1 98	554 40	10
Pressers	6	237	1 50	355 50	9.6
Reel maker	1	306	2 50	765 00	10
Rollers	5	292	1 20	350 40	10
Rubber turners	3	300	2 50	750 00	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

MISCELLANEOUS—74 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Sawyer	1	230	\$2 00	\$460 00	10
Shipping clerks	4	251	2 00	502 00	9.7
Shredder (boy)	1	200	1 50	100 00	10
Stockers	12	292	1 25	365 00	10
Sugar coilers	2	60	4 00	240 00	12
Tank builder	1	306	2 00	612 00	10
Target maker	40	250	1 75	437 50	10
Teamsters	20	299	1 73	517 27	10
Tenders	4	300	2 00	600 00	10
Tinners	3	216	1 90	410 40	10
Tool maker	1	301	3 33	1,002 33	10
Tuners	6	287	1 92	551 04	10
Vulcanizers	2	278	1 75	486 50	10
Watchmen	6	237	1 40	331 80	11.3
Weavers	4	156	1 50	234 00	9
Wood workers	26	291	1 58	459 78	10
Yard men	1	302	1 65	498 30	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

ADVERTISING NOVELTIES AND SIGNS—7 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Cleaners	2	305	\$0 37	\$112 85	9
Gilders	2	305	75	228 75	9
Helpers	27	251	52	130 52	10
Leather workers	70	295	86	253 70	8.6
Novelty workers	51	290	75	217 50	9
Painters	7	305	67	204 35	9
Pasters	32	299	66	197 34	9
Printers	4	300	75	225 00	9
Ruler workers	2	298	1 00	298 00	9
Sewers	10	298	85	253 30	9
Sign makers	120	297	65	193 05	9
Stock keepers	3	300	75	225 00	9
Wood workers	5	300	75	225 00	9

AGRICULTURAL IMPLEMENTS—1 ESTABLISHMENT.

Helpers	75	307	1 00	307 00	9.5
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AWNINGS, TENTS AND FLAGS—3 ESTABLISHMENTS.

Laborers	2	270	1 00	270 00	9
Machine operators	6	250	1 00	250 00	10
Sewers	3	270	60	162 00	8.5

BASKETS—2 ESTABLISHMENTS.

Braiders	10	191	65	124.15	7
Finishers	3	95	1 00	95 00	10

BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—2 ESTABLISHMENTS.

Assemblers	4	302	90	271 80	10
Bag department hands	5	302	1 00	302 00	10
Grip workers	3	302	1 00	302 00	10
Laborers	5	200	75	150 00	10
Leather workers	1	302	1 50	451 00	10
Packer	1	302	75	226 50	10

BOOTS AND SHOES—18 ESTABLISHMENTS.

Bottomers	13	272	65	176 80	10
Cutters	16	285	89	253 65	9.8
Fitters	1,297	283	94	266 02	9.6
Helpers	15	289	72	208 08	9.6
Machine hands	29	296	76	224 96	10
Packers	144	295	81	238 95	9.6
Sole leather workers	25	260	58	150 80	10
Stitchers	72	287	89	255 43	10
Table workers	2	288	50	144 00	10
Treers	15	266	69	183 54	10

BOXES (PAPER)—7 ESTABLISHMENTS.

Box makers	62	304	72	218 88	9.7
Creasers	5	275	90	247 50	10
Folders	30	275	60	165 00	10
Gluers	5	275	70	172 50	10
Helpers	10	308	45	138 60	10
Machine hands	29	270	96	259 20	9.3
Machine hands' helpers	26	251	50	125 50	9
Press feeders	17	275	74	203 50	10
Printers' helpers	2	275	75	206 25	10
Strippers	7	275	60	165 00	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

BOXES (WOODEN)—8 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Box makers.....	2	306	\$ 75	\$229 50	9
Finishers.....	2	300	75	226 00	9
Forewoman.....	1	285	1 25	356 25	10
Nailers.....	22	306	66	201 96	9.8
Paperers.....	8	300	1 00	300 00	10
Pasters.....	12	300	70	210 00	9
Piece workers.....	17	285	60	171 00	10
Trimmers.....	4	305	85	259 25	9.2

BREAD AND OTHER BAKERY PRODUCTS—47 ESTABLISHMENTS.

Bakers' helpers.....	24	307	1 02	313 14	9.9
Box maker.....	1	305	1 00	305 00	10
Candy makers.....	3	305	75	228 75	10
Cleaner.....	1	365	1 00	365 00	10
Cooks.....	7	341	1 04	353 64	10
Dish washers.....	3	347	83	288 01	8.3
Forewoman.....	1	277	83	229 91	10
Helpers.....	3	308	83	255 64	10
Icers.....	6	285	2 50	712 50	9
Packers.....	66	293	60	175 80	10
Saleswomen.....	32	313	78	244 14	9.9

BRICK AND TILE—3 ESTABLISHMENTS.

Assorters.....	143	298	81	241 38	10
Brick maker.....	1	120	1 00	120 00	10
Brushers.....	4	308	1 00	308 00	10
Decorators.....	20	300	85	255 00	10
Designer.....	1	290	1 00	290 00	10
Edgers.....	6	308	58	178 64	10
Glaze department hands.....	47	300	85	255 00	10
Kiln placers.....	17	300	1 25	375 00	10
Mosaic department hands.....	11	300	1 15	345 00	10
Pasters.....	25	290	80	232 00	10
Pressers.....	138	298	85	253 30	10
Sample department hands.....	1	290	85	246 50	10
Slip department hands.....	2	300	85	255 00	10

BROOMS AND BRUSHES—7 ESTABLISHMENTS.

Assorters.....	32	242	68	154 56	9.6
Brush makers.....	15	300	75	225 00	10

CANNED GOODS—17 ESTABLISHMENTS.

Assorters.....	252	67	39	26 13	9.9
Canners.....	630	234	76	177 84	10
Can shop hands.....	13	236	83	195 88	9
Capper.....	1	48	1 25	60 00	10
Dairy hand.....	1	236	1 00	236 00	9
Feeders.....	24	48	1 00	48 00	9
Huskers.....	16	56	85	47 60	10
Labelers.....	73	88	81	71 28	9.6
Laborers.....	141	166	94	158 04	10
Peelers.....	134	85	68	57 80	9.5
Salters.....	2	98	1 00	98 00	10
Tester.....	1	98	1 10	107 80	10

CARRIAGES AND WAGONS—12 ESTABLISHMENTS.

Painter.....	1	312	75	234 00	8
Seamstresses.....	2	295	1 00	295 00	10
Trimmers.....	52	293	76	222 68	9.6

TABLE IVf—MANUFACTURES—CITIES—Continued.

CARRIAGE AND WAGON MATERIALS—5 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Laborers.....	11	290	\$0 77	\$223 30	9.8
Machine hands.....	2	274	1 00	274 00	10
Seamstresses.....	49	281	83	233 23	9.3
Upholsterers.....	3	250	1 00	250 00	10
Winders.....	6	250	1 00	250 00	10

CHEWING GUM—4 ESTABLISHMENTS.

Chicle pickers.....	8	270	65	175 50	10
Laborer.....	1	70	58	41 60	10
Machine operators.....	20	270	86	232 20	10
Rollers.....	8	270	1 00	270 00	10
Wrappers.....	46	263	88	231 44	9.3

CIGARS—63 ESTABLISHMENTS.

Assorters.....	2	305	85	259 25	10
Apprentices.....	3	310	50	155 00	10
Banders.....	6	306	32	97 92	9
Bunch breakers.....	527	277	1 03	285 31	9.3
Cigar makers.....	109	277	1 02	282 54	8.7
Forewomen.....	7	207	1 21	250 47	9.7
Laborers.....	4	300	60	180 00	10
Packers.....	96	269	90	242 10	8.7
Rollers.....	790	277	97	268 69	9.3
Stemmers.....	5	290	67	194 30	7.8
Strippers.....	408	214	56	119 84	9

CLOTHING—200 ESTABLISHMENTS.

Assorters.....	3	300	75	225 00	9
Box makers.....	2	275	83	228 25	9
Bushel hands.....	2	296	1 42	420 32	8.5
Button hole makers.....	2	225	70	157 50	8.5
Button sewers.....	3	253	83	209 99	9
Coat makers.....	45	300	95	285 00	9.4
Cutter.....	1	300	2 00	600 00	10
Fellers.....	6	253	1 00	453 00	9
Finishers.....	22	248	1 22	313 56	9
Floor lady.....	1	275	1 42	390 50	9
Forewomen.....	6	299	1 29	385 78	9.8
Forewomen's assistants.....	3	296	1 26	372 96	9.6
Helpers.....	13	200	91	182 00	9.6
Inspectors.....	14	296	94	278 24	9.5
Ironers.....	6	300	1 00	300 00	9
Machine operators.....	303	271	84	227 64	9.3
Pant makers.....	229	292	1 18	344 56	9.2
Piece worker.....	1	250	2 00	500 00	10
Pressers.....	4	300	92	276 00	8.2
Seamstresses.....	759	295	79	233 05	9.7
Skirt makers.....	37	295	86	223 70	8.7
Stock hands.....	22	300	1 21	363 00	9.9
Suspender makers.....	27	300	1 18	225 00	9
Tailoresses.....	87	286	1 18	337 48	9.1
Trimmers.....	10	301	59	177 59	9.7
Vest makers.....	238	294	1 13	332 22	9.1

COFFEE, BAKING POWDER AND SPICES—3 ESTABLISHMENTS.

Boxers.....	3	156	75	117 00	10
Labeler.....	1	220	46	101 20	9
Laborers.....	3	262	75	196 50	9

TABLE IVf—MANUFACTURES—CITIES—Continued.

COFFINS AND BURIAL CASES—4 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Cloth workers	4	296	\$0 80	\$236 80	9
Coverers	7	290	90	261 00	9
Metal workers	4	296	1 00	296 00	9
Painters	3	296	75	222 00	9
Robe makers	10	302	94	283 88	9.4
Seamstresses	10	297	98	291 06	9.1

CONFECTIONERY—16 ESTABLISHMENTS.

Candy makers	45	296	88	260 48	9.3
Dippers	18	301	91	273 91	9.9
Forewoman	1	365	85	310 25	10
Helpers	34	283	71	200 93	9.9
Nut pickers	7	300	70	210 00	8
Saleswomen	3	263	67	176 21	9.3
Wrappers	2	300	75	225 00	9.5

COPPER AND BRASS GOODS—1 ESTABLISHMENT.

Core makers	10	300	1 00	300 00	7
Packers	8	300	75	225 00	10

CORDAGE AND TWINE—3 ESTABLISHMENTS.

Ballers	19	116	1 11	128 76	10
Cordage department hands	12	296	1 00	296 00	10
Helper	1	70	1 25	87 50	10
Preparers	18	365	90	328 50	10
Spinners	104	265	1 00	265 00	10

COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—16 ESTABLISHMENTS.

Basters	6	300	1 25	375 00	10
Boxer	1	300	50	150 00	10
Burlers	5	310	1 25	387 50	10
Button hole makers	2	290	1 00	290 00	10
Carders	5	291	66	192 06	10
Coverers	3	290	1 00	290 00	10
Crocheters	5	300	75	225 00	10
Cutters	29	297	1 03	305 91	10
Drawers	9	303	78	236 34	10
Edgers	5	300	1 50	450 00	10
Facers	4	300	1 50	450 00	10
Finishers	59	294	67	196 98	10
Fleecer	1	290	75	217 50	10
Folders	3	300	85	255 00	10
Forewomen	5	300	1 83	549 00	9.6
Helpers	16	278	72	210 16	10
Ironer	1	290	75	217 50	10
Joiners	22	305	1 75	533 75	10
Knitters	17	294	93	273 42	10
Loom fixer	7	301	69	207 69	10
Loopers	9	290	90	261 00	10
Machine operators	247	296	78	230 88	9.6
Marker	1	290	90	261 00	10
Menders	8	293	93	272 49	10
Packers	18	304	68	206 72	10
Piecers	2	305	83	253 15	10
Pressers	10	300	85	255 00	10
Seamers	71	305	99	301 95	10
Spinners	22	283	82	231 06	10
Splicers	20	310	1 10	341 10	10
Straighteners	2	290	75	217 50	10
Toppers	35	290	90	261 00	10
Trimmers	13	296	84	248 64	10
Turners	5	290	80	232 00	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—16 ESTABLISHMENTS.
Concluded.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Twisters	4	303	\$ 75	\$227 25	10
Warpers	23	302	86	259 72	10
Weavers	158	290	1 18	342 20	10
Winders	10	301	69	207 69	10

CUTLERY AND EDGE TOOLS—4 ESTABLISHMENTS.

Decorators	8	300	85	255 00	8.5
Knife makers	8	240	75	180 00	10
Packers	45	262	1 00	262 00	9.5
Printers	3	300	1 00	300 00	9
Shear makers	7	240	75	180 00	10
Wrappers	2	230	65	149 50	10

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—14 ESTABLISHMENTS.

Bottlers	4	302	63	190 26	9
Folders	2	310	1 35	418 50	9
Finishers	2	304	50	152 00	7.5
Helpers	10	300	70	210 00	9.4
Labelers	4	300	81	243 00	10
Laboratory hand	1	306	50	153 00	10
Mailer	1	312	67	209 04	10
Packer	1	200	1 00	200 00	8
Printer	1	310	50	155 00	10
Saleswomen	5	200	1 50	300 00	7.5
Wrappers	7	309	86	265 74	9.7

ELECTRICAL GOODS AND SUPPLIES—16 ESTABLISHMENTS.

Capper	1	294	1 61	453 34	10
Coil winders	5	306	1 10	336 60	9
Erectors	3	306	1 00	306 00	9
Exhausting room hands	16	294	1 26	390 44	10
Filament makers	19	285	1 10	313 50	10
Fillers	12	294	75	220 50	10
Finishers	20	285	1 00	285 00	10
Flange makers	6	294	97	285 18	10
Foreladies	5	276	1 85	510 60	10
Glass cutters	3	294	1 00	294 00	10
Glass room hands	34	285	1 40	399 00	10
Helpers	107	286	97	277 42	9.9
Inspectors	13	294	1 48	434 32	10
Janitress	1	305	83	253 15	9
Japanners	1	306	90	275 40	9
Labeler	1	294	1 60	470 40	10
Laboratory hands	39	285	1 20	342 00	10
Lamp makers	395	290	1 12	224 80	9.5
Lamp washers	8	294	89	261 66	10
Miniature department hands	12	285	1 40	399 00	10
Mounters	30	294	1 40	411 60	10
Painters	2	294	1 23	361 62	10
Photometer department hands	17	301	1 16	349 16	10
Pumping room hands	11	285	1 50	427 50	10
Refillers	3	285	1 10	313 50	10
Repairs	10	294	1 75	514 50	10
Sealers	12	294	1 85	543 90	10
Solderers	6	294	1 00	294 00	10
Sorters	19	261	86	220 46	10
Stern makers	12	285	1 17	333 45	10
Tapers	3	295	75	221 25	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

EXTRACTS, TOILET ARTICLES AND PERFUMERY—6 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bottlers	2	306	\$1 00	\$306 00	9
Finishers	15	307	1 19	365 33	10
Forewoman	1	308	1 00	308 00	10
Glass workers	3	307	1 20	368 40	10
Helpers	12	308	65	200 20	10
Labelers	6	325	60	195 00	10
Laborers	2	300	1 00	300 00	9
Trimmer	1	250	1 00	250 00	8
Wood workers	10	307	1 20	368 40	10
FIREWORKS—2 ESTABLISHMENTS.					
Laborers	17	330	70	231 00	10
Molders	15	185	75	138 75	9
Packers	22	185	60	111 00	9
FLOURING MILL PRODUCTS—1 ESTABLISHMENT.					
Package laborers	240	242	1 00	242 00	10
Pasters	52	250	1 25	312 50	9
FOUNDRY AND MACHINE SHOP PRODUCTS—6 ESTABLISHMENTS.					
Bolt pilers	15	275	1 00	275 00	10
Core makers	17	283	1 05	197 15	10
Laborers	9	283	78	220 74	9.6
Packers	2	295	95	280 25	10
Winders	8	289	1 25	361 25	9
FURNITURE—7 ESTABLISHMENTS					
Art department hands	8	294	1 25	367 50	8.5
Caners	25	303	75	227 25	9
Finishers	10	282	1 00	282 00	10
Packers	3	288	75	216 00	10
Sewers	4	275	75	206 25	9
Wrappers	2	300	60	180 00	7
GAS AND ELECTRICITY—1 ESTABLISHMENT.					
Cleaner	1	365	1 00	365 00	10
GLASS AND GLASSWARE—11 ESTABLISHMENTS.					
Artists	10	309	1 50	463 50	8
Assorters	43	250	64	160 00	9.4
Cartooners	7	252	81	204 12	10
Cutters	8	232	81	187 92	9.8
Decorators	80	276	57	157 32	9.5
Etchers	14	252	98	246 96	10
Finishers	6	292	75	218 50	10
Glass washers	14	325	78	253 50	9
Grinders	6	252	62	156 24	10
Helpers	120	306	1 00	306 00	10
Lehr inspector	1	200	1 00	200 00	9.5
Melters	7	252	72	181 44	10
Mold cleaners	2	240	65	156 00	10
Sorters	7	200	1 20	240 00	9.5
Selectors	22	252	77	194 04	10
Shippers	5	240	75	180 00	10
Wrappers	24	241	88	212 08	9.6
GLASS WORKS' SUPPLIES—2 ESTABLISHMENTS.					
Roll workers	15	309	67	207 03	8

TABLE IVf—MANUFACTURES—CITIES—Continued.

GLOVES AND MITTENS—10 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bundlers.....	2	300	\$1 00	\$300 00	9 4
Finisher.....	1	275	64	176 00	10
Forewomen.....	4	306	1 10	336 60	10
Glove makers.....	123	269	70	188 30	9 8
Helpers.....	27	286	72	205 92	10
Layers-off.....	3	300	1 00	300 00	9
Machine operators.....	13	230	60	138 00	8 4
Mitten makers.....	120	305	95	389 75	10
Seamstresses.....	156	294	92	270 48	9 7
Turners.....	12	246	66	162 36	9

HARDWARE—5 ESTABLISHMENTS.

Enamelers.....	5	300	75	225 00	10
Laborers.....	107	297	87	258 39	10
Lacquerers.....	3	188	50	94 00	10
Packers.....	122	200	53	106 00	10
Painters.....	6	188	75	141 00	10
Riveters.....	12	188	70	131 60	10

HARNES AND SADDLERY—4 ESTABLISHMENTS.

Halter makers.....	22	285	90	256 50	10
Machine hand.....	1	300	75	225 00	8
Net makers.....	15	300	1 00	300 00	10
Pad makers.....	5	300	90	270 00	10

HATS, CAPS AND FURNISHINGS—3 ESTABLISHMENTS.

Machine operators.....	93	291	78	226 98	8
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HOLLOW-WARE—1 ESTABLISHMENT.

Dippers.....	69	307	1 21	371 47	10
Packers.....	10	307	1 06	325 42	10

JEWELRY AND WATCHES—3 ESTABLISHMENTS.

Balance workers.....	8	291	1 50	436 50	10
Crown makers.....	14	288	1 12	334 56	10
Damaskeeners.....	6	291	1 00	291 00	10
Dial makers.....	14	291	2 50	727 50	10
Engravers.....	28	290	1 87	542 30	10
Escape makers.....	19	291	1 50	436 50	10
Finishers.....	60	290	1 76	510 40	10
Gilders.....	2	291	1 50	436 50	10
Inspectors.....	3	285	70	199 50	10
Jewelers.....	54	291	1 89	549 99	10
Jointers.....	51	287	1 05	301 35	10
Laborers.....	29	288	1 12	322 56	10
Machine hands.....	2	288	1 12	322 56	10
Melters.....	2	288	1 12	322 56	10
Motion makers.....	10	291	1 50	436 50	10
Pinion makers.....	66	291	1 28	382 48	10
Polishers.....	88	287	1 06	304 22	10
Screw makers.....	63	291	1 50	436 50	10
Spring workers.....	3	285	54	153 90	10

LIGHTING APPARATUS—1 ESTABLISHMENT.

Lantern makers.....	18	270	70	189 00	10
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LIQUORS (DISTILLED)—4 ESTABLISHMENTS.

Bottlers.....	3	310	65	201 50	8
Champagne makers.....	3	310	1 00	310 00	10
Helpers.....	4	310	83	257 30	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

LIQUORS (MALT)—2 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bottlers	8	305	\$ 65	\$198 25	10

LITHOGRAPHING, ENGRAVING AND ELECTROTYPING—1 ESTABLISHMENT.

Folders.....	9	273	1 00	273 00	10
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MACHINERY—1 ESTABLISHMENT.

Labelers	2	200	75	150 00	10
Tubers	6	200	67	134 00	10

MARBLE AND GRANITE—1 ESTABLISHMENT.

Cutter.....	1	250	1 00	250 00	10
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MARBLES—2 ESTABLISHMENTS.

Laborers.....	15	300	80	240 00	10
Marble makers	24	249	1 20	298 80	8.5

MATTRESSES AND PILLOWS—3 ESTABLISHMENTS.

Comfort makers	8	310	1 00	310 00	10
Feather department hand.....	1	310	60	186 00	10
Mattress makers	9	303	88	266 64	9.1
Seamstresses	34	296	92	272 32	9.6
Tick makers.....	2	307	75	230 25	9
Wire workers.....	10	310	1 60	496 00	10

OIL AND GREASE—1 ESTABLISHMENT.

Cook	1	313	1 50	469 50	9
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PAINTS AND VARNISHES—2 ESTABLISHMENTS.

Card makers	5	250	75	187 50	10
Labelers	3	255	56	148 80	10

PICKLES, PRESERVES AND SAUCES—3 ESTABLISHMENTS.

Laborers.....	18	60	75	45 00	10
Labeler.....	1	60	85	51 00	10
Wrappers.....	6	200	50	100 00	9

POTTERY AND STONEWARE—46 ESTABLISHMENTS.

Art department hands.....	30	313	1 25	391 25	10
Bisque department hands.....	24	250	1 35	337 50	8.2
Brushers.....	44	259	88	227 92	9
Casters	3	300	1 00	300 00	10
Clay workers	116	272	1 89	514 08	9
Decalcomaine workers	73	295	93	374 35	8.8
Decorators.....	697	269	1 22	328 18	8.7
Decorators' apprentices	60	300	1 75	225 00	8
Dippers.....	84	289	1 00	289 00	8.7
Dressers.....	27	214	97	207 58	9
Fettlers	32	306	1 25	382 50	9
Fillers-in.....	8	300	1 00	300 00	9
Finishers	82	294	88	258 72	9.8
Gilders	2	300	2 50	750 00	9
Glost hands	7	300	1 00	300 00	9
Ground layer.....	1	300	2 25	675 00	9.7
Headers	3	194	1 75	339 50	9.5
Helpers.....	161	284	1 08	306 72	9.3
Jiggermen's helpers	24	214	1 26	269 64	8
Jolley men's helpers.....	8	200	1 00	200 00	9

TABLE IVf—MANUFACTURES—CITIES—Continued.

POTTERY AND STONEWARE—46 ESTABLISHMENTS—Concluded.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Kiln drawers	34	249	\$ 95	\$236 55	9.5
Placers	2	194	75	145 50	9.5
Selectors	80	300	1 00	300 00	9
Shippers	5	294	1 00	294 00	10
Sponger	1	306	1 50	459 00	9
Transferers	6	285	2 00	570 00	9
Trimmers	2	194	75	145 50	9.5
Tube makers	4	312	2 40	748 80	9
Turners	6	284	1 05	298 20	8.5
Warehouse helpers	371	288	1 02	293 76	9
Ware makers	6	300	1 50	450 00	9

POTTERS' SUPPLIES—3 ESTABLISHMENTS.

Laborers	4	316	1 00	316 00	8
Stilt makers	43	295	1 20	354 00	8

PRINTING AND BINDING—180 ESTABLISHMENTS.

Apprentices	8	308	76	234 08	9
Binders	487	312	75	243 36	9.1
Circulator	1	310	75	232 50	9
Collectors	5	269	80	215 00	9.8
Compositors	395	314	1 00	314 00	9.5
Copy holders	2	300	1 00	300 00	8.5
Editors' assistants	3	309	1 62	500 58	8.6
Folders	16	306	64	195 84	9.1
Forewoman	1	260	1 00	260 00	10
Gummers	10	305	83	253 15	9
Helpers	22	304	83	252 32	9
Laborers	73	308	1 00	308 00	9
Machine operators	44	304	1 15	349 60	9
Press feeders	69	274	78	213 72	9.4
Proof readers	3	214	1 36	291 04	7.8
Reporters	16	316	1 10	347 60	7.7
Sewers	2	310	87	269 70	9
Stitchers	3	308	90	277 20	10
Straightener	1	260	75	195 00	10
Subscription clerk	1	310	40	124 00	10
Turners	4	260	75	195 00	10

RUBBER GOODS—14 ESTABLISHMENTS.

Curer	1	280	1 10	308 00	10
Drill workers	34	276	1 40	386 40	10
Finishers	15	285	85	242 25	10
Forewomen	2	305	1 65	503 25	10
Helpers	347	284	1 15	326 60	10
Inspectors	3	305	1 20	366 00	10
Packers	10	222	69	153 18	10
Pinchers	22	280	1 30	364 00	10
Polishers	26	280	1 40	392 00	10
Press workers	20	300	1 25	375 00	10
Rubber workers	129	299	94	281 06	10
Tire builders	71	302	1 37	413 74	10

SASH, DOORS, LUMBER AND INTERIOR FINISH—3 ESTABLISHMENTS.

Enamelers	16	275	75	206 25	10
Finishers	4	286	70	200 20	9
Helper	1	306	75	229 50	10

SOAP, CANDLES AND TALLOW—4 ESTABLISHMENTS.

Wrappers	7	274	89	243 86	7
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TABLE IVf—MANUFACTURES—CITIES—Continued.

SODA AND MINERAL WATERS—2 ESTABLISHMENTS.

Occupation—Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bottle washer	1	300	\$ 75	\$225 00	10
Labeler.....	1	313	1 25	391 25	10

STEEL, IRON AND TIN—4 ESTABLISHMENTS.

Assorters	111	246	1 27	312 42	10
Counters.....	7	273	1 23	335 79	10
Openers	58	256	1 49	381 44	9.6

STRAWBOARDS AND PAPER—16 ESTABLISHMENTS.

Assorters	229	302	70	211 40	9.8
Cutters	16	242	92	222 64	10.7
Finishers	24	282	88	248 16	9.9
Forewomen	4	307	1 22	374 54	9
Helpers.....	154	3 00	70	210 00	10
Machine tenders	39	258	81	208 98	10
Press feeders	3	275	85	233 75	10
Rag sorters	24	306	1 20	367 20	10

TINWARE, SHEET IRON AND GALVANIZED IRONWARE—12 ESTABLISHMENTS.

Can makers	3	290	85	246 50	10
Dippers.....	100	297	1 42	421 74	10
Drafting room hands	2	300	1 00	300 00	9
Helpers.....	65	283	73	206 59	10
Machine operators	66	300	82	246 00	10
Metal workers	2	200	75	150 00	10
Off-bearers.....	18	308	87	267 96	10
Packers.....	29	305	67	204 35	10
Painters.....	11	301	94	282 94	10
Polishers.....	2	300	1 50	450 00	10
Press operators	5	178	1 04	185 12	10
Solderers	36	279	1 28	357 12	10
Sorters	4	308	85	261 80	10
Tinners.....	21	300	76	228 00	8
Wrappers.....	11	308	85	261 80	10

TOBACCO (CHEWING AND SMOKING)—8 ESTABLISHMENTS.

Dresser.....	1	305	1 00	305 00	8
Machine room hands	95	306	1 26	485 56	10
Packers.....	193	302	1 13	341 26	9
Press hands	17	306	1 22	373 32	10
Sizers	45	300	80	240 00	8
Spreader.....	1	305	90	274 50	8
Spriggers.....	55	310	75	232 50	10
Stemmers.....	214	287	47	134 89	9
Taggers.....	25	306	1 03	315 18	10

UMBRELLAS AND PARASOLS—2 ESTABLISHMENTS.

Operators.....	54	299	85	254 15	9
Tipplers.....	12	290	75	217 50	10

WIRE RODS, WIRE CLOTH AND WIRE GOODS—3 ESTABLISHMENTS.

Bird cage makers	6	300	65	195 00	10
Nail workers	10	283	86	243 38	10
Sifters.....	20	300	80	240 00	10
Winder.....	1	309	67	207 03	8
Wire workers.....	10	300	65	195 00	10
Weavers.....	3	300	75	225 00	10

TABLE IVf—MANUFACTURES—CITIES—Concluded.

MISCELLANEOUS—34 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Assemblers.....	3	200	\$0 75	\$150 00	10
Binders.....	3	275	1 75	481 25	10
Cap cutter.....	1	159	75	119 25	9
Cap pasters.....	2	159	75	119 25	9
Cap setter.....	1	159	1 00	159 00	9
Cleaners.....	6	273	1 96	262 08	10
Cutter.....	1	200	1 67	334 00	10
Etchers.....	4	300	1 00	300 00	9
Fillers.....	5	300	1 00	300 00	10
Filler makers.....	7	282	50	141 00	10
Finishers.....	15	283	78	220 74	10
Forewoman.....	1	300	1 00	300 00	10
Helpers.....	7	281	79	221 99	9.7
Knitters.....	5	300	50	150 00	10
Laborers.....	51	269	83	223 27	10
Machine operators.....	17	260	97	252 20	9.8
Machine operators' helpers.....	4	290	83	240 70	10
Machine tenders.....	5	282	75	211 50	10
Mask maker.....	17	300	85	255 00	10
Packers.....	92	290	77	223 30	9.2
Painters.....	25	260	74	192 40	10
Parers.....	9	240	50	120 00	10
Pasters.....	4	228	50	114 00	10
Platers.....	30	292	65	189 80	10
Riveters.....	2	300	50	150 00	10
Seamstresses.....	20	302	81	244 62	10
Twisters.....	17	273	63	171 99	10
Tube rollers.....	13	262	90	235 80	10
Varnishers.....	2	300	80	240 00	10
Warpers.....	14	273	90	245 70	10
Weavers.....	10	273	65	177 45	10
Winders.....	16	273	77	210 21	9
Wrapper.....	1	300	42	126 00	10

TABLE IV#—MANUFACTURES—CITIES.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Advertising novelties and signs.....	Artists.....	21	5.7	
" " " " " "	Carpenters.....	8	12	
" " " " " "	Cutters.....	9	13	
" " " " " "	Designers.....	1	17	
" " " " " "	Engineer.....	1	12	
" " " " " "	Feeders.....	12	11	
" " " " " "	Foreman.....	1	12	
" " " " " "	Laborers.....	68	14	
" " " " " "	Leather workers.....	23	5.6	
" " " " " "	Lithographers.....	24	6	
" " " " " "	Novelty workers.....	34	6	
" " " " " "	Pressmen.....	13	7.6	
" " " " " "	Printers.....	3	12	
" " " " " "	Rule makers.....	2	12	
" " " " " "	Sign makers.....	120	5.3	
" " " " " "	Shipping clerk.....	1	12	
" " " " " "	Stencil makers.....	8	12	
" " " " " "	Stock keepers.....	1	12	
" " " " " "	Stone grinders.....	6	5	
" " " " " "	Transferers.....	5	2.5	
Agricultural implements.....	Wood workers.....	21	12	
" " " " " "	Blacksmiths.....	4	12.5	
" " " " " "	Carpenters.....	11	12.5	
" " " " " "	Core makers.....	11	2.9	
" " " " " "	Cupola tender.....	1	12.5	
" " " " " "	Engineer.....	1	12.5	
" " " " " "	Erectors.....	30	10	
" " " " " "	Laborers.....	27	9.7	
" " " " " "	Laborers (boys).....	2	12.5	
" " " " " "	Machinists.....	20	12.5	
" " " " " "	Molders.....	41	5.7	
" " " " " "	Painters.....	10	12.5	
" " " " " "	Teamsters.....	1	12.5	
Billiard tables, bar and store fixtures....	Warehouse man.....	1	15	
" " " " " " " "	Machine hands.....	3	5	
" " " " " " " "	Platers.....	3	5	
Boilers, engines and tanks.....	Wood workers.....	40	8.5	
" " " " " " " "	Apprentices.....	27	12	
" " " " " " " "	Apprentices.....	5		4
" " " " " " " "	Blacksmiths.....	36	6.3	
" " " " " " " "	Blacksmiths' helpers.....	21	6.3	
" " " " " " " "	Boiler makers.....	79	8.7	
" " " " " " " "	Boiler makers' helpers.....	24	15	
" " " " " " " "	Carpenter.....	1	4.5	
" " " " " " " "	Carpenter.....	1		3
" " " " " " " "	Core makers.....	32	6.7	
" " " " " " " "	Cupola tender.....	1	8	
" " " " " " " "	Draughtsmen.....	22	12.4	
" " " " " " " "	Engineers.....	10	13.3	
" " " " " " " "	Erectors.....	19	10	
" " " " " " " "	Erectors.....	15		5
" " " " " " " "	Foremen.....	11	10	
" " " " " " " "	Heaters.....	7	10	
" " " " " " " "	Laborers.....	286	10.9	
" " " " " " " "	Machine hands.....	9	5	
" " " " " " " "	Machinists.....	223	11.2	
" " " " " " " "	Molders.....	123	13.3	
" " " " " " " "	Molders.....	5		4
" " " " " " " "	Molders' helpers.....	53	10	
" " " " " " " "	Painters.....	19	4.1	
" " " " " " " "	Pattern makers.....	51	9.7	
" " " " " " " "	Pattern makers.....	6		5
" " " " " " " "	Plumber.....	1	18	
" " " " " " " "	Teamster.....	1		5
" " " " " " " "	Tinners.....	2	6.2	
" " " " " " " "	Vise hands.....	8	10	
" " " " " " " "	Ware cleaners.....	1	8	
Boots and shoes.....	Bottomers.....	23	2	
" " " " " " " "	Cutters.....	77	2.4	
" " " " " " " "	Lasters.....	11	2	
" " " " " " " "	Machine hands.....	104		3

TABLE IV#—MANUFACTURES—CITIES—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Boots and shoes.....	Packers.....	1	1	.....
“ “ “.....	Stock fitters.....	25	.....	3.5
Boxes (paper).....	Cutters.....	5	5	.....
“ “ “.....	Foreman.....	1	10	.....
“ “ “.....	Laborers.....	3	5	.....
“ “ “.....	Machine hands.....	8	5	.....
Boxes (wooden).....	Yard men.....	36	1.5	.....
Bread and other bakery products.....	Apprentice.....	1	66	.....
“ “ “ “ “.....	Bakers.....	55	16	.....
“ “ “ “ “.....	Box makers.....	2	10	.....
“ “ “ “ “.....	Clerks.....	6	9.1	.....
“ “ “ “ “.....	Drivers.....	12	9.5	.....
“ “ “ “ “.....	Drivers.....	1	.....	12.5
“ “ “ “ “.....	Engineer.....	1	14	.....
“ “ “ “ “.....	Foremen.....	2	11.1	.....
“ “ “ “ “.....	Helpers.....	2	4.3	.....
“ “ “ “ “.....	Hostler.....	1	10	.....
“ “ “ “ “.....	Icer.....	1	17	.....
“ “ “ “ “.....	Machine operator.....	1	17	.....
“ “ “ “ “.....	Mixer.....	1	14	.....
“ “ “ “ “.....	Oven men.....	14	20	.....
“ “ “ “ “.....	Peeler.....	1	20	.....
“ “ “ “ “.....	Porter.....	3	10	.....
Brick and tile.....	Assorters.....	28	4.6	.....
“ “ “ “ “.....	Blacksmiths.....	2	7.5	.....
“ “ “ “ “.....	Blacksmiths' helper.....	1	10	.....
“ “ “ “ “.....	Box department hands.....	8	5	.....
“ “ “ “ “.....	Brick layers.....	7	8.4	.....
“ “ “ “ “.....	Brick makers.....	67	.....	.....
“ “ “ “ “.....	Burners.....	88	5.8	.....
“ “ “ “ “.....	Burners.....	2	.....	7.4
“ “ “ “ “.....	Carpenters.....	4	7.5	.....
“ “ “ “ “.....	Carriers.....	2	10	.....
“ “ “ “ “.....	Clay miners.....	140	8.6	.....
“ “ “ “ “.....	Decorators.....	3	5	.....
“ “ “ “ “.....	Dryers.....	1	11	.....
“ “ “ “ “.....	Engineers.....	13	12.5	.....
“ “ “ “ “.....	Engineer.....	1	.....	11
“ “ “ “ “.....	Firemen.....	9	9.9	.....
“ “ “ “ “.....	Foremen.....	5	10.2	.....
“ “ “ “ “.....	Glazers.....	50	5	.....
“ “ “ “ “.....	Grinders.....	20	5	.....
“ “ “ “ “.....	Handlers.....	6	5	.....
“ “ “ “ “.....	Helpers.....	1	2.5	.....
“ “ “ “ “.....	Hostlers.....	4	8	.....
“ “ “ “ “.....	Laborers.....	377	7.9	.....
“ “ “ “ “.....	Loaders.....	47	8.7	.....
“ “ “ “ “.....	Machine men.....	7	10	.....
“ “ “ “ “.....	Machinists.....	12	8	.....
“ “ “ “ “.....	Miscellaneous.....	5	10	.....
“ “ “ “ “.....	Mixers.....	30	12.5	.....
“ “ “ “ “.....	Mosaic workers.....	9	5	.....
“ “ “ “ “.....	Molder.....	1	10	.....
“ “ “ “ “.....	Packers.....	30	5	.....
“ “ “ “ “.....	Pasters.....	5	5	.....
“ “ “ “ “.....	Placers.....	37	5	.....
“ “ “ “ “.....	Fressmen.....	62	4	.....
“ “ “ “ “.....	Quarry men.....	8	12.5	.....
“ “ “ “ “.....	Railway employe.....	1	12	.....
“ “ “ “ “.....	Sagger makers.....	8	5	.....
“ “ “ “ “.....	Setters.....	60	6.3	.....
“ “ “ “ “.....	Slippers.....	15	5	.....
“ “ “ “ “.....	Teamsters.....	23	10.5	.....
“ “ “ “ “.....	Temperers.....	3	18.6	.....
“ “ “ “ “.....	Watchmen.....	2	5	.....
“ “ “ “ “.....	Wheeler.....	58	7.3	.....
“ “ “ “ “.....	Yard men.....	127	12.5	.....
Brooms and brushes.....	Assorters.....	1	.....	10
“ “ “ “ “.....	Sewer.....	1	.....	12.5
“ “ “ “ “.....	Tyers.....	1	.....	12.5

TABLE IV#—MANUFACTURES—CITIES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Canned goods.....	Canners.....	135	10	.....
" ".....	Huskers.....	40	10	.....
" ".....	Laborers.....	135	9.2	.....
" ".....	Warehouse employes.....	10	10	.....
Carriages and wagons.....	Blacksmiths.....	37	8.7	.....
" ".....	Blacksmiths' helpers.....	13	11.1	.....
" ".....	Body maker.....	1	5	.....
" ".....	Foundry men.....	8	4	.....
" ".....	Machinists.....	11	4	.....
" ".....	Painters.....	46	9.6	.....
" ".....	Painters' helpers.....	5	10	.....
" ".....	Trimmers.....	12	7.6	.....
" ".....	Trimmers' helper.....	1	10	.....
" ".....	Warehouse men.....	6	4	.....
" ".....	Wood worker.....	18	9.7	.....
" ".....	Yard men.....	5	4	.....
Carriage and wagon materials.....	Body makers.....	18	10	.....
" ".....	Engineers.....	4	13.7	.....
" ".....	Firemen.....	2	10	.....
" ".....	Foremen.....	5	7	.....
" ".....	Helper.....	1	14	.....
" ".....	Inspector.....	1	12.5	.....
" ".....	Laborers.....	112	6.6	.....
" ".....	Machine operators.....	86	5.7	.....
" ".....	Machinist.....	1	12.5	.....
" ".....	Reed workers.....	6	10	.....
" ".....	Shipping clerk.....	1	5	.....
" ".....	Teamsters.....	3	6.7	.....
" ".....	Watchman.....	1	15	.....
" ".....	Wood workers.....	43	9.9	.....
" ".....	Yard men.....	20	5	.....
Chewing gum.....	Gum maker.....	1	50	.....
" ".....	Gum maker's assistants.....	2	16.2	.....
" ".....	Machinist.....	1	16.2	.....
" ".....	Packer.....	1	16.2	.....
Cigars.....	Banders.....	5	25	.....
" ".....	Casers.....	3	25	.....
" ".....	Cigar makers.....	10	7.5	.....
" ".....	Laborers.....	7	20	.....
" ".....	Packers.....	8	25	.....
" ".....	Rollers.....	13	25	.....
" ".....	Strippers.....	32	23.6	.....
Clothing.....	Bushelman.....	1	10	.....
" ".....	Coat makers.....	63	10.4	.....
" ".....	Coat makers.....	2	.....	10
" ".....	Cutters.....	20	7.7	.....
" ".....	Engineers.....	2	13.7	.....
" ".....	Machinists.....	2	15.5	.....
" ".....	Shipping clerks.....	2	5	.....
" ".....	Tailors.....	8	17.5	.....
Coffins and burial cases.....	Foreman.....	1	10	.....
" ".....	Glue hand.....	1	10	.....
" ".....	Machine hands.....	2	10	.....
Confectionery.....	Candy makers.....	8	4.5	.....
" ".....	Helpers.....	3	20	.....
" ".....	Ice cream maker.....	1	10	.....
" ".....	Shipping clerk.....	1	12.5	.....
Cooperage.....	Coopers.....	34	7	.....
" ".....	Foreman.....	1	11	.....
" ".....	Laborers.....	25	15	.....
" ".....	Teamsters.....	3	9	.....
Copper and brass goods.....	Apprentice.....	1	25	.....
" ".....	Coppersmith.....	1	6	.....
" ".....	Polisher.....	1	14	.....
Cordage and twine.....	Engineers.....	5	2	.....
" ".....	Firemen.....	5	7	.....
" ".....	Foremen.....	13	5	.....
" ".....	Machinists.....	10	.....	12
" ".....	Miscellaneous.....	14	15	.....
" ".....	Packers.....	44	2	.....

TABLE IV#—MANUFACTURES—CITIES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected
by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Foundry and machine shop products....	Laborers	25	.....	20
" " " "	Laborers (boys)	8	10	.....
" " " "	Machine hands	14	4	.....
" " " "	Machinists	60	.....	20
" " " "	Machinists	255	6.9	.....
" " " "	Molders	528	6.7	.....
" " " "	Pattern makers	15	16	.....
" " " "	Plater	1	10	.....
" " " "	Polishers	13	10	.....
" " " "	Polishers	16	.....	10
" " " "	Press hands	10	10	.....
" " " "	Teamster	1	5	.....
" " " "	Trimmers	4	.....	4.5
" " " "	Watchmen	2	5	.....
" " " "	Watchman	1	.....	9
Furniture	Bench hands	8	10	.....
" " " "	Benders	10	7	.....
" " " "	Cabinet makers	70	7	.....
" " " "	Caners	8	5	.....
" " " "	Carvers	4	7	.....
" " " "	Chair makers	44	6.6	.....
" " " "	Cutter	1	5	.....
" " " "	Engineer	3	5.7	.....
" " " "	Finishers	123	8.3	.....
" " " "	Firemen	3	7	.....
" " " "	Gluers	2	5	.....
" " " "	Grinder	1	20	.....
" " " "	Laborers	81	6.6	.....
" " " "	Machine hands	233	7	.....
" " " "	Machine hands' helpers	18	5	.....
" " " "	Machinists	12	9.5	.....
" " " "	Molders	6	10	.....
" " " "	Packers	55	7.3	.....
" " " "	Painters	2	5	.....
" " " "	Shipping clerks	7	7	.....
" " " "	Teamsters	6	7	.....
" " " "	Turners	15	7	.....
" " " "	Veneerers	9	4.5	.....
" " " "	Upholsterers	2	5	.....
" " " "	Watchmen	4	7.7	.....
" " " "	Wood workers	7	6.4	.....
Gas and electricity	Drivers	2	9	.....
" " " "	Dynamo tenders	4	12.1	.....
" " " "	Electricians	14	10.1	.....
" " " "	Engineers	2	.....	3..
" " " "	Engineers	16	13.4	.....
" " " "	Firemen	11	11	.....
" " " "	Foremen	4	12.5	.....
" " " "	Gas makers	2	.....	8
" " " "	Gas makers	9	17.7	.....
" " " "	Helper	1	15	.....
" " " "	Laborers	95	13	.....
" " " "	Linenen	29	20.5	.....
" " " "	Meter man	1	14	.....
" " " "	Motormen	6	15	.....
" " " "	Plumbers	2	.....	8
" " " "	Trimmers	11	12.7	.....
" " " "	Trimmer	1	.....	1
" " " "	Trimmers' helper	1	11.5	.....
" " " "	Wipers	2	7	.....
" " " "	Wire men	6	8.6	.....
Glass and glassware	Blocker	7	17.2	.....
" " " "	Blowers	181	2.6	.....
" " " "	Cutters	65	7	.....
" " " "	Engineers	4	10	.....
" " " "	Finishers	206	2	.....
" " " "	Gatherers	572	10.3	.....
" " " "	Grinders	10	.....	12.5
" " " "	Laborers	198	10	.....
" " " "	Laborers (boys)	125	6.2	.....
" " " "	Marvelers	3	2.1	.....

TABLE IV#—MANUFACTURES—CITIES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Glass and glassware.....	Mixers	4	16.7	.....
" " ".....	Packers	16	8.4	.....
" " ".....	Weighers.....	2	10	.....
" " ".....	Yard men	12	5	.....
Gunpowder and other explosives.....	Carpenter	1	7	.....
" " ".....	Foreman	1	9	.....
" " ".....	Machinist's helper	1	18	.....
" " ".....	Painter	1	11	.....
Handles.....	Belter.....	3	5	.....
" " ".....	Engineer	1	5	.....
" " ".....	Handle makers	20	15	.....
" " ".....	Laborers	24	13.4	.....
" " ".....	Laborers (skilled)	8	8.3	.....
" " ".....	Packer.....	1	5	.....
" " ".....	Sawyers.....	17	8.3	.....
" " ".....	Teamster.....	1	5	.....
" " ".....	Turners	7	6.7	.....
" " ".....	Watchman	1	5	.....
Hardware.....	Anneallers.....	22	5	.....
" " ".....	Fireman	1	5	.....
" " ".....	Lathe turners.....	9	3	.....
" " ".....	Machine hands.....	15	20	.....
" " ".....	Machinists.....	2	10	.....
" " ".....	Packers	13	5	.....
" " ".....	Plater.....	1	12.5	.....
" " ".....	Tinners	9	15	.....
" " ".....	Tool makers	2	8	.....
Harness and saddlery.....	Harness makers	78	5.8	.....
Ice (artificial).....	Cutters.....	5	10	.....
" " ".....	Drivers	53	11.1	.....
" " ".....	Engineers	7	15	.....
" " ".....	Firemen	6	8.3	.....
" " ".....	Helpers	10	11.4	.....
" " ".....	Ice pullers.....	4	7.5	.....
" " ".....	Tank men	4	18.3	.....
Iron (structural and architectural).....	Blacksmiths	2	14	.....
" " ".....	Erectors.....	3	14	.....
" " ".....	Iron workers.....	6	6	.....
" " ".....	Laborers	53	10	.....
" " ".....	Machine hands.....	14	10	.....
" " ".....	Painters.....	3	10	.....
" " ".....	Template maker.....	1	20	.....
Jewelry and watches.....	Engravers	9	5.5	.....
" " ".....	Finishers	10	5.5	.....
" " ".....	Inspectors.....	3	5.5	.....
" " ".....	Jointers	6	5.5	.....
" " ".....	Machine hands.....	6	5.5	.....
" " ".....	Platers.....	4	5.5	.....
" " ".....	Polishers	12	5.5	.....
" " ".....	Press-room hands	7	5.5	.....
" " ".....	Spring dept. workers.....	4	5.5	.....
" " ".....	Turners	7	5.5	.....
Leather and leather goods.....	Beam hands	5	16.7	.....
" " ".....	Belt makers	15	11.5	.....
" " ".....	Curriers	10	16.7	.....
" " ".....	Engineer	1	9	.....
" " ".....	Tanners	3	10	.....
" " ".....	Watchman	1	10	.....
" " ".....	Yard men	6	8	.....
Lime, sand, cement and plaster.....	Blacksmith	1	10	.....
" " ".....	Car men	2	10	.....
" " ".....	Carpenters.....	2	10	.....
" " ".....	Cart boys	10	10	.....
" " ".....	Crusher men.....	16	10	.....
" " ".....	Engineers	9	13.7	.....
" " ".....	Foreman	1	33.3	.....
" " ".....	Foremen's assistants.....	5	10	.....
" " ".....	Laborers	127	9.7	.....
" " ".....	Lime burners	12	15	.....
" " ".....	Loaders	25	10	.....
" " ".....	Miners (coal)	61	20	.....

TABLE IV#—MANUFACTURES—CITIES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected
by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Lime, sand, cement and plaster.....	Miners (limestone).....	34	20	....
" " " " " "	Quarry men.....	55	12.6	....
" " " " " "	Shopmen.....	3	10	....
" " " " " "	Teamsters.....	51	13.2	....
" " " " " "	Truckman.....	1	10	....
" " " " " "	Wheelers.....	16	10	....
Liquors (distilled).....	Laborers.....	6	20	....
" " " " " "	Pressman.....	1	20	....
" " " " " "	Wine makers.....	5	20	....
Liquors (malt).....	Brewers.....	9	9.6	....
" " " " " "	Cellar men.....	3	4.5	....
" " " " " "	Drivers.....	9	7.4	....
" " " " " "	Foreman.....	1	20	....
Lithographing, engraving and electrotyping	Helper.....	1	22	....
" " " " " "	Apprentices.....	2	38	....
" " " " " "	Artist.....	1	20	....
" " " " " "	Etcher.....	1	20	....
" " " " " "	Photographer.....	3	16.7	....
Machinery.....	Router.....	1	20	....
" " " " " "	Apprentices.....	52	11.3	....
" " " " " "	Blacksmiths.....	37	7.3	....
" " " " " "	Blacksmith helpers.....	3	12	....
" " " " " "	Boiler makers.....	34	14.8	....
" " " " " "	Carpenters.....	4	9.5	....
" " " " " "	Core makers.....	9	10	....
" " " " " "	Core makers.....	2	3	....
" " " " " "	Draughtsmen.....	9	10	....
" " " " " "	Erectors.....	21	6.9	....
" " " " " "	Engineers.....	3	7.7	....
" " " " " "	Helpers.....	16	19.2	....
" " " " " "	Laborers.....	128	7.3	....
" " " " " "	Laborers.....	19	6.6	....
" " " " " "	Laborers (skilled).....	44	7.5	....
" " " " " "	Machine operators.....	37	8.4	....
" " " " " "	Machinists.....	418	9.2	....
" " " " " "	Molders.....	73	9.4	....
" " " " " "	Painters.....	19	2.3	....
" " " " " "	Pattern makers.....	11	11.1	....
" " " " " "	Pipe fitters.....	2	12	....
" " " " " "	Pressmen.....	6	10	....
" " " " " "	Teamsters.....	2	10	....
" " " " " "	Tinners.....	8	10	....
" " " " " "	Watchmen.....	2	10	....
" " " " " "	Wood workers.....	2	12	....
Malt.....	Engineers.....	2	8	....
" " " " " "	Foremen.....	3	8	....
" " " " " "	Laborers.....	4	10	....
" " " " " "	Maltsters.....	49	8.6	....
" " " " " "	Watchmen.....	3	8	....
Marble and granite.....	Burnan.....	1	5	....
" " " " " "	Engineer.....	1	20	....
" " " " " "	Feeder.....	1	10	....
" " " " " "	Foremen.....	2	7.5	....
" " " " " "	Laborers.....	16	8.5	....
" " " " " "	Packer.....	1	10	....
Oil and grease.....	Teamsters.....	2	10	....
" " " " " "	Acid workers.....	8	26	....
" " " " " "	Boiler makers.....	158	9	....
" " " " " "	Brick masons.....	9	4	....
" " " " " "	Brick masons' helpers.....	8	16	....
" " " " " "	Butcher.....	1	20	....
" " " " " "	Carpenters.....	10	6	....
" " " " " "	Car repairers.....	32	7	....
" " " " " "	Engineer.....	1	12	....
" " " " " "	Laborers (skilled).....	89	3	....
" " " " " "	Machinists.....	16	12	....
" " " " " "	Paraffine workers.....	54	5	....
" " " " " "	Pipe fitters.....	29	5	....
Paints and varnishes.....	Foremen.....	2	9	....
" " " " " "	Helpers.....	4	9	....
" " " " " "	Machine operators.....	8	6	....

TABLE IV#—MANUFACTURES—CITIES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Printing and binding.....	Helpers	9	9.3	.....
“ “ “.....	Janitor.....	1	33.3	.....
“ “ “.....	Linotype operators	13	12	.....
“ “ “.....	Machinists.....	2	5	.....
“ “ “.....	Packer.....	1	20	.....
“ “ “.....	Pressmen.....	101	8.8	.....
“ “ “.....	Pressman's assistant	1	10	.....
“ “ “.....	Reporters	20	24.7	.....
“ “ “.....	Ruler.....	1	20	.....
Pumps and water wheels.....	Core makers	10	2	.....
“ “ “.....	Engineers	2	3	.....
“ “ “.....	Finishers	2	2	.....
“ “ “.....	Machinists.....	36	4	.....
“ “ “.....	Molders	42	10	.....
“ “ “.....	Pattern makers	2	12	.....
“ “ “.....	Shipping clerks.....	2	4	.....
“ “ “.....	Trimmers	1	8	.....
Roofing (iron, steel and tin).....	Watchman	1	4	.....
Rubber goods.....	Laborers	3	10	.....
“ “ “.....	Carpenters.....	22	7.2	.....
“ “ “.....	Curers.....	34	12	.....
“ “ “.....	Engineers	8	9.3	.....
“ “ “.....	Firemen.....	28	7.6	.....
“ “ “.....	Heaters	14	10	.....
“ “ “.....	Laborers	1,490	5	.....
“ “ “.....	Machinists.....	24	5.5	.....
“ “ “.....	Machinists.....	4	.....	12.5
“ “ “.....	Mill men	5	5	.....
“ “ “.....	Pipe fitters	7	10	.....
“ “ “.....	Repairers.....	12	10	.....
“ “ “.....	Rubber workers	450	10	.....
“ “ “.....	Rubber workers	50	.....	12.4
“ “ “.....	Shipping clerks.....	3	.....	10
“ “ “.....	Tire workers	458	10	.....
“ “ “.....	Tire inspectors	3	10	.....
“ “ “.....	Weigher.....	1	15	.....
“ “ “.....	Wood workers	2	10	.....
Safes, vaults and locks.....	Blacksmiths	5	5	.....
“ “ “.....	Cabinet makers	2	10	.....
“ “ “.....	Constructors.....	9	8	.....
“ “ “.....	Deposit-box makers	4	5	.....
“ “ “.....	Door fitters.....	2	5	.....
“ “ “.....	Drill-press hands	8	5	.....
“ “ “.....	Engineers	2	6.5	.....
“ “ “.....	Erectors.....	2	5	.....
“ “ “.....	Fire-proof department hands	5	5	.....
“ “ “.....	Foremen	5	5	.....
“ “ “.....	Helpers	8	5	.....
“ “ “.....	Lathe hands	4	5	.....
“ “ “.....	Laborers	11	5	.....
“ “ “.....	Locksmiths.....	5	5	.....
“ “ “.....	Painters.....	6	5	.....
“ “ “.....	Planers	9	5	.....
“ “ “.....	Polishers and platers.....	4	5	.....
“ “ “.....	Straighteners	2	5	.....
Sash, doors, lumber and interior finish.....	Blacksmith	1	6.7	.....
“ “ “.....	Cabinet makers	4	16.6	.....
“ “ “.....	Carpenters.....	307	12.3	.....
“ “ “.....	Choppers.....	3	30	.....
“ “ “.....	Cutters.....	2	20	.....
“ “ “.....	Gluers.....	20	5	.....
“ “ “.....	Enamelers.....	12	50	.....
“ “ “.....	Engineers	16	8.7	.....
“ “ “.....	Engineer.....	1	.....	10
“ “ “.....	Firemen.....	2	7.5	.....
“ “ “.....	Foremen.....	15	10.4	.....
“ “ “.....	Helpers	65	8	.....
“ “ “.....	Laborers	152	12.3	.....
“ “ “.....	Lumber pilers.....	2	2	.....
“ “ “.....	Machine hands.....	191	9.1	.....
“ “ “.....	Machine hands.....	7	.....	5
“ “ “.....	Mill hands.....	74	15.8	.....

TABLE IV#—MANUFACTURES—CITIES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Tinware, sheet-iron and galvanized ironware.	Tinners	8	15.6	.....
" " " " " "	Tinners' helper	1	10	.....
" " " " " "	Turners	2	2.5	.....
Tobacco (chewing and smoking)	Elevator hands	1	.....	.....
" " " " " "	Millers	11	10	.....
" " " " " "	Packers	25	5	.....
" " " " " "	Shakers	4	.....	10
Tools	Blacksmiths	2	17.5	.....
" " " " " "	Engineer	1	17.5	.....
" " " " " "	Firemen	2	15	.....
" " " " " "	Grinders	11	17.5	.....
" " " " " "	Hoe makers	12	17.5	.....
" " " " " "	Laborers	40	14.4	.....
" " " " " "	Laborers	2	.....	10
" " " " " "	Machine hands	30	17.5	.....
" " " " " "	Machinists	46	10.3	.....
" " " " " "	Molders	10	10	.....
" " " " " "	Packers	10	17.5	.....
" " " " " "	Plane makers	18	17.5	.....
" " " " " "	Polishers	6	17.5	.....
" " " " " "	Turners	2	17.5	.....
Wire rods, wire cloth and wire goods ..	Teamster	1	12.5	.....
Miscellaneous	Bread-board makers	4	10	.....
" " " " " "	Butlers	6	22	.....
" " " " " "	Carpenters	19	19.5	.....
" " " " " "	Cutter	1	10	.....
" " " " " "	Engineer	1	1.5	.....
" " " " " "	Filers	4	30	.....
" " " " " "	Finishers	22	2.2	.....
" " " " " "	Fireman	1	5	.....
" " " " " "	Helpers	8	11	.....
" " " " " "	Laborers	61	92	.....
" " " " " "	Machine man	1	12	.....
" " " " " "	Machinist	1	22	.....
" " " " " "	Plater	1	32	.....
" " " " " "	Polisher	10	5	.....
" " " " " "	Shipping clerks	3	1.5	.....
" " " " " "	Shredder (boy)	1	10	.....
" " " " " "	Turners	15	1	.....
" " " " " "	Vulcanizers	2	20	.....
" " " " " "	Watchman	1	10	.....
Totals and averages .....	.....	18,767	7.5	.....
.....	.....	2,112	.....	4.

TABLE IV#—MANUFACTURES—CITIES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected
by Change in Wages for the Year 1903.

Industries.	Occupation — Female.	Number of employees.	Advanced per cent.	Reduced per cent.
Advertising novelties and signs.....	Laborers	16	5	.....
“ “ “ “	Leather workers	38	7.8	.....
“ “ “ “	Novelty workers	51	5	.....
“ “ “ “	Fasters.....	12	18	.....
“ “ “ “	Sewers.....	10	18	.....
“ “ “ “	Sign makers	120	10	.....
Boots and shoes.....	Cutters.....	5	7.5	.....
“ “ “ “	Fitters.....	24	35.5	.....
“ “ “ “	Packers.....	8	.....	.....
“ “ “ “	Stitchers.....	30	5	.....
Boxes (paper).....	Cutters.....	23	5	.....
“ “ “ “	Laborers.....	45	5	.....
“ “ “ “	Piece workers.....	12	5	.....
Boxes (wooden).....	Forewoman.....	1	25	.....
Bread and other bakery products.....	Bakers.....	2	20	.....
“ “ “ “	Foreman.....	1	17	.....
“ “ “ “	Laborers.....	4	20.7	.....
“ “ “ “	Saleswoman.....	1	10	.....
“ “ “ “	Saleswoman.....	1	25	.....
Brick and tile.....	Assorters.....	6	3.3	.....
“ “ “ “	Designers.....	4	8	.....
“ “ “ “	Pasters.....	25	3	.....
“ “ “ “	Pressers.....	15	3	.....
Canned goods.....	Assorters.....	35	10	.....
“ “ “ “	Laborers.....	214	7	.....
Carriage and wagon materials.....	Machine operators.....	35	7.2	.....
“ “ “ “	Upholsterers.....	3	10	.....
“ “ “ “	Winders.....	6	10	.....
Cigars.....	Banders.....	6	25	.....
“ “ “ “	Packers.....	20	25	.....
“ “ “ “	Rollers.....	166	20.2	.....
“ “ “ “	Strippers.....	2	25	.....
Clothing.....	Forewomen.....	2	5	.....
“ “ “ “	Forewomen's assistants.....	2	10	.....
“ “ “ “	Machine operator.....	1	10	.....
“ “ “ “	Seamstresses.....	256	3.5	.....
“ “ “ “	Stock workers.....	20	25	.....
“ “ “ “	Tailoresses.....	33	12.4	.....
“ “ “ “	Tailoress.....	1	10	.....
“ “ “ “	Trousers makers.....	28	11.1	.....
“ “ “ “	Vest makers.....	27	10	.....
Cordage and twine.....	Preparers.....	18	20	.....
Cotton & woolen goods (knit & woyen).....	Pickers.....	15	43	.....
“ “ “ “	Weavers.....	25	30	.....
Drugs, chemicals & druggists' sundries.....	Laborers.....	2	10	.....
“ “ “ “	Saleswomen.....	5	15	.....
Electrical goods and supplies.....	Lamp makers.....	110	1	.....
“ “ “ “	Sorters.....	9	20	.....
“ “ “ “	Forewoman.....	1	2	.....
Extracts, toilet articles and perfumery.....	Laborers.....	12	2	.....
“ “ “ “	Chair caners.....	25	5	.....
Furniture.....	Cartooners.....	7	24	.....
Glass and glassware.....	Cutters.....	5	5	.....
“ “ “ “	Etchers.....	14	50	.....
“ “ “ “	Glass washers.....	6	5	.....
“ “ “ “	Grinders.....	6	3	.....
“ “ “ “	Lehr inspector.....	1	23.8	.....
“ “ “ “	Melters.....	7	20	.....
“ “ “ “	Sorters.....	7	23.8	.....
“ “ “ “	Wrappers.....	18	17.7	.....
Hardware.....	Packers.....	2	6	.....
Jewelry and watches.....	Finishers.....	10	3.6	.....
“ “ “ “	Inspectors.....	3	3.6	.....
“ “ “ “	Jointers.....	6	3.6	.....
“ “ “ “	Polishers.....	12	3.6	.....
“ “ “ “	Spring workers.....	3	3.6	.....
Pottery and stoneware.....	Bisque department hands.....	37	8.4	.....
“ “ “ “	Dippers.....	2	3.3	.....
“ “ “ “	Decorators.....	70	7.5	.....
“ “ “ “	Drawers.....	4	9.5	.....
“ “ “ “	Glost department hands.....	8	5	.....
“ “ “ “	Laborers.....	40	10	.....

TABLE IV#—MANUFACTURES—CITIES—Concluded.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Female.	Number of employees.	Advanced per cent.	Reduced per cent.
Pottery and stoneware.....	Kiln workers.....	15	10	.....
" " ".....	Turners	3	10	.....
" " ".....	Ware-room employes	27	10	.....
Printing and binding.....	Apprentices.....	4	19.5	.....
" " ".....	Binders	7	23.5	.....
" " ".....	Compositors	48	17	.....
" " ".....	Feeders	9	16.6	.....
" " ".....	Folders	2	50	.....
" " ".....	Gummers.....	2	10	.....
" " ".....	Linotype operator	1	12	.....
" " ".....	Reporters	4	25.9	.....
Rubber goods.....	Curer	1	9	.....
" " ".....	Laborers	260	5	.....
" " ".....	Rubber workers	10	7.5	.....
" " ".....	Rubber workers	47	14.2	.....
" " ".....	Tire makers	39	10	.....
Sash, doors, lumber and interior finish...	Enamelers.....	16	10	.....
Strawboards and paper.....	Finishers	15	.....	6
" " ".....	Sorters	4	7	.....
Miscellaneous.....	Laborers	5	25	.....
" " ".....	Packers	6	.....	6
Totals and averages.....	.....	2,298	9.5	.....
		23	.....	6.5

TABLE IV_g—MANUFACTURES—VILLAGES.
ADVERTISING NOVELTIES AND SIGNS—3 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Compositor.....	1	292	\$1 75	\$511 00	10
Engraver.....	1	292	2 56	730 00	10
Envelope maker.....	1	292	3 00	876 00	10
Laborers.....	6	298	1 58	470 84	10
Painters.....	4	140	3 00	420 00	9
Pressmen.....	2	292	1 75	511 00	10

AGRICULTURAL IMPLEMENTS—18 ESTABLISHMENTS.

Apprentices.....	4	277	79	218 83	8.9
Blacksmiths.....	81	293	1 70	498 10	9.9
Brush maker.....	1	240	1 50	360 00	10
Carpenter.....	1	303	2 00	606 00	10
Drillers.....	2	300	1 50	450 00	10
Engineers.....	7	234	2 05	479 70	9.6
Ferule department hands.....	8	269	1 59	427 71	10
Finishers.....	3	220	2 25	495 00	10
Forge department hands.....	23	220	2 29	503 80	8.5
Foremen.....	4	160	2 00	320 00	9.5
Grinders.....	35	297	2 26	671 22	8.5
Handle department hands.....	21	291	1 39	402 49	10
Harrow makers.....	8	298	1 70	506 60	10
Helper.....	1	300	1 35	405 00	10
Laborers.....	203	296	1 41	417 36	10
Machine hands.....	52	299	2 11	630 89	9.2
Machinists.....	106	281	1 78	500 18	9.7
Malleable workers.....	12	300	1 10	330 00	10
Mechanics.....	8	196	1 25	245 00	10
Molders.....	79	267	1 99	531 33	9.4
Painters.....	44	289	1 63	531 07	9.8
Pattern makers.....	6	291	2 30	669 30	9.8
Polishers.....	25	276	1 77	488 52	9.4
Rake department hands.....	8	298	1 45	432 10	10
Setters-up.....	34	294	1 53	449 82	9.8
Shipping clerk.....	1	286	2 00	572 00	9.5
Teamsters.....	2	284	1 50	426 00	9
Temperers.....	10	298	3 12	929 76	9
Tinner.....	1	240	1 67	400 80	10
Watchman.....	1	286	1 50	429 00	10
Woodworkers.....	57	268	1 73	463 64	10

BASKETS—6 ESTABLISHMENTS.

Basket makers.....	27	300	1 35	405 00	10
Clipper.....	1	80	2 00	160 00	10
Crate makers.....	4	300	2 00	600 00	10
Engineers.....	2	103	2 25	231 75	10
Fireman.....	1	127	2 00	254 00	10
Foreman.....	1	127	1 75	222 25	10
Laborers.....	56	173	1 31	226 63	10
Laborers (boys).....	5	300	1 50	150 00	10
Log peelers.....	2	127	1 50	190 50	10
Machine hands.....	3	300	1 25	375 00	10
Machinist.....	1	80	2 13	170 40	10
Nailers.....	20	201	1 80	371 80	10
Sawyers.....	2	103	1 75	180 25	10
Veneers.....	3	175	2 56	448 00	10
Willow worker.....	1	200	1 50	300 00	10

BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—4 ESTABLISHMENTS.

Assemblers.....	8	228	2 10	478 80	9
Blacksmiths.....	5	228	1 60	364 80	9
Carpenters.....	2	228	1 75	499 00	9
Engineers.....	2	228	2 00	456 00	9
Laborers.....	42	273	1 61	439 53	9.6
Machinists.....	49	262	2 35	615 70	9.6
Operators.....	8	228	2 00	456 00	9
Painters.....	6	245	1 95	477 75	9.3
Tinner.....	1	280	2 00	560 00	10
Trimmers.....	2	228	2 25	503 00	9

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

BILLIARD TABLES, BAR AND STORE FIXTURES—7 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Cabinet makers.....	17	278	\$1 88	\$522 64	10
Cabinet makers' helpers.....	6	300	2 00	600 00	10
Coffee mill makers.....	3	300	1 50	450 00	10
Coffee mill makers' helpers.....	3	300	1 25	375 00	10
Engineers.....	2	250	1 88	470 00	10
Finishers.....	3	236	1 50	354 00	10
Foremen.....	7	300	2 32	696 00	10
Glazier.....	1	310	1 50	465 00	10
Laborers.....	48	267	1 49	397 83	10
Machine hands.....	4	200	1 75	350 00	10
Offbearers.....	5	300	75	225 00	10
Packers.....	4	300	1 25	375 00	10
Porter.....	1	300	1 25	375 00	10
Shipper.....	1	200	1 35	270 00	10
Table worker.....	1	310	1 67	517 70	10
Varnishers.....	6	298	1 72	512 56	10
Varnishers' helpers (boys).....	8	300	80	240 00	10
Watchman.....	1	300	1 15	345 00	10
Woodworkers.....	16	299	1 75	453 25	10
Yard men.....	3	300	1 75	525 00	10

BOILERS, ENGINES AND TANKS—15 ESTABLISHMENTS.

Apprentices.....	53	304	1 01	307 04	10
Blacksmiths.....	21	299	2 59	774 41	10
Blacksmiths' helpers.....	2	310	1 75	542 50	10
Boiler makers.....	61	287	2 41	691 67	10
Boiler makers' helpers.....	11	304	2 12	644 48	10
Core makers.....	5	305	2 53	771 65	10
Carpenters and painters.....	21	305	2 22	677 10	10
Drill pressmen.....	4	295	1 25	368 75	10
Engineers.....	5	262	2 00	524 00	10
Helpers.....	110	297	1 64	489 18	9.8
Laborers.....	338	232	1 47	341 04	9.9
Laborers (boys).....	2	300	1 00	300 00	10
Machinists.....	142	300	2 51	753 00	9.8
Machinists' helpers.....	345	304	1 76	535 04	10
Molders.....	102	304	2 87	872 48	9.9
Molders' helpers.....	12	300	2 50	750 00	9.5
Painters.....	9	300	1 75	525 00	10
Pattern makers.....	9	302	2 95	899 90	10
Plate workers.....	12	308	2 75	847 00	9
Rivet heaters.....	12	287	1 62	464 92	9.6
Sheet-iron workers.....	30	299	2 64	789 36	10
Teamsters.....	4	305	3 17	966 85	10
Woodworkers.....	6	300	2 00	600 00	10

BOOTS AND SHOES—3 ESTABLISHMENTS.

Bottomers.....	12	291	98	285 18	10
Cutters.....	11	277	1 35	373 95	10
Finishers.....	5	291	67	194 97	10
Fitters.....	3	260	1 15	299 00	9.5
Lasters.....	11	291	80	232 80	10
Packers.....	10	291	37	107 67	10
Shoemakers.....	25	262	1 00	262 00	10
Stock room workers.....	5	291	85	247 35	10

BOXES (WOODEN)—6 ESTABLISHMENTS.

Bender.....	1	144	1 75	252 00	10
Cutter.....	1	250	1 66	415 00	9
Engineers.....	3	194	2 21	428 74	10.1
Fireman.....	1	148	1 50	222 00	10.5
Finishers.....	10	292	75	219 00	10
Foremen.....	2	216	2 01	434 16	10.2

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

BOXES (WOODEN)—6 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Laborers.....	31	239	\$1 34	\$320 26	10.1
Machine operator.....	1	144	1 75	252 00	10
Matcher.....	1	144	1 25	180 00	10
Nailers.....	6	160	2 12	179 20	10.1
Printers.....	2	192	1 12	234 24	9
Sawyers.....	8	158	1 58	249 66	10.2
Teamsters.....	2	148	1 67	247 16	10.5
Watchman.....	1	148	1 67	247 16	10.5

BREAD AND OTHER BAKERY PRODUCTS—59 ESTABLISHMENTS.

Apprentice.....	1	300	83	249 00	10
Bakers.....	65	300	1 71	513 00	9.4
Clerks.....	8	324	1 10	356 40	11.6
Drivers.....	12	278	1 56	433 68	9
Fireman.....	1	250	1 50	375 00	10
Foreman.....	1	313	2 87	898 31	11
Helpers.....	15	285	85	242 25	9.4
Host ers.....	2	623	50	311 50	16.5

BRICK AND TILE—222 ESTABLISHMENTS.

Blacksmiths.....	5	266	2 26	601 16	9.8
Brakemen.....	2	241	1 75	421 75	10
Brancher.....	1	295	2 30	678 50	7
Brickmakers.....	503	276	1 53	422 28	10
Bricklayers.....	8	285	4 00	1,140 00	8
Brick masons.....	10	193	3 16	609 88	9.7
Brick and tile makers.....	133	297	1 50	445 50	10
Brick tenders.....	4	365	1 50	547 50	10
Burners.....	160	264	1 96	517 64	11.4
Burners' assistants.....	5	285	1 74	495 90	12
Carpenters.....	22	276	1 91	527 16	9.3
Carriers.....	15	245	1 29	316 05	10
Cartmen.....	17	247	1 55	382 85	9.8
Clay miners.....	290	262	1 82	476 84	9.3
Coal miners.....	125	245	2 48	607 60	8.2
Core maker.....	1	303	2 00	606 00	10
Crushermen.....	4	309	1 65	509 85	10
Cut-off.....	9	144	1 47	211 68	10
Draughtsman.....	1	303	1 75	530 25	10
Drawers.....	43	251	1 71	429 21	10
Dressers.....	6	313	1 75	547 75	10
Dryers.....	13	232	1 54	357 28	11.5
Drum man.....	1	300	1 65	495 00	9
Dumpers.....	6	196	1 55	303 80	9.6
Elevator man.....	1	150	1 25	187 50	10
Engineers.....	109	222	1 94	430 68	10
Feeders.....	7	249	1 71	425 79	10
Firemen.....	91	274	1 62	443 88	10.5
Foremen.....	16	248	2 21	548 48	9
Foreman's assistant.....	1	251	2 00	502 00	10
Grinders.....	14	302	1 53	462 06	10
Hackers.....	3	172	1 32	227 04	10
Helpers.....	3	182	2 00	364 00	8.3
Hoister.....	1	167	1 50	250 50	10
Hostlers.....	2	304	1 72	522 88	11
Kiln hands.....	11	258	1 89	507 62	9.5
Laborers.....	3,100	251	1 54	386 54	10
Laborers (boys).....	7	270	90	243 00	10
Loaders.....	70	245	1 70	416 50	10
Machine hands.....	76	251	1 64	411 64	9.8
Machinists.....	36	258	1 98	510 84	10
Machine filler.....	9	151	1 34	202 34	10
Miners.....	74	269	2 19	589 11	8.3
Mixer.....	1	313	2 00	626 00	10

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

BRIC AND TILE—222 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Molders.....	66	261	\$1 92	\$501 12	9
Off-leavers.....	45	242	1 26	304 92	10
Packers.....	3	309	1 65	509 85	10
Pallette man.....	1	150	1 00	150 00	10
Pan men.....	28	264	1 60	422 40	10
Pilers.....	2	365	1 40	511 00	7.5
Pitchers.....	14	285	1 65	470 25	10
Pitmen.....	14	186	1 39	258 54	10
Pressmen.....	70	250	1 56	390 00	9.8
Pressmen's helpers.....	28	286	1 57	449 02	10
Poggers.....	3	217	1 63	353 71	10
Pullers.....	1	241	2 00	482 00	10
Pump man.....	1	275	1 75	481 25	10
Rackers.....	2	303	1 50	454 50	10
Repairers.....	5	291	1 56	453 96	10
Sanders.....	5	156	1 47	229 32	10
Screen tenders.....	6	293	1 31	383 83	10
Setters.....	135	256	1 94	496 64	9.8
Setters and catchers.....	5	250	1 60	400 00	10
Setters and wheelers.....	8	298	1 75	521 50	8
Shaders.....	3	290	1 87	542 30	10
Shooters.....	4	241	2 00	482 00	10
Shovelers.....	67	196	1 46	286 16	9.6
Sorters.....	22	329	1 60	526 40	10
Strikers.....	2	245	1 55	379 75	10
Table men.....	3	210	1 50	315 00	10
Teamsters.....	45	272	1 79	486 88	9.5
Temperers.....	17	182	1 47	267 54	9.3
Temperers' helper.....	1	308	1 40	431 20	10
Tile makers.....	121	164	1 40	329 60	9.8
Tossers.....	4	307	1 32	405 24	10
Trackmen.....	4	241	1 75	421 75	10
Transfer men.....	12	255	1 40	357 00	10
Trimmers.....	3	170	.85	144 50	10
Truckers.....	55	199	1 31	260 69	9.9
Watchmen.....	8	305	1 62	494 10	10.1
Weighmaster.....	1	260	6 65	1,729 00	8
Wheelers.....	230	260	1 54	400 40	9
Woodworkers.....	10	303	2 10	636 30	10
Yardmen.....	65	232	1 50	348 00	9.9

BROOMS AND BRUSHES—7 ESTABLISHMENTS.

Assorters.....	5	201	1 05	211 05	10
Broom makers.....	19	278	1 75	486 50	10
Engineers.....	2	235	1 37	321 95	10
Handle maker.....	1	270	1 00	270 00	10
Laborers.....	10	256	1 02	261 12	10
Laborer (boy).....	1	300	.60	180 00	10
Scrapers.....	2	270	1 00	270 00	10
Sewers.....	6	219	1 85	405 15	9.3
Sizers.....	4	270	1 75	202 50	10
Tyers.....	16	230	1 91	439 30	9.7
Tyers' assistant.....	1	201	1 25	251 25	10

CANNED GOODS—21 ESTABLISHMENTS.

Canners.....	40	68	1 43	97 24	7.8
Cappers.....	18	108	1 50	162 00	10
Coopers.....	4	108	2 05	221 40	10
Engineers.....	3	70	2 13	149 10	10
Filler.....	1	300	1 25	375 00	10
Foreman.....	1	32	1 66	53 12	10
Huskers.....	20	32	1 50	48 00	10
Laborers.....	405	87	1 49	129 63	9.8
Loaders.....	4	108	1 50	162 00	10

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

CANNED GOODS—21 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Machine hands.....	26	165	\$ 1 98	\$326 70	9.6
Packers.....	8	108	1 50	162 00	10
Processors.....	2	185	1 87	345 95	10
Scalder.....	1	300	1 25	375 00	10
Solderers.....	2	300	1 25	375 00	10
Sorter.....	1	300	1 25	375 00	10
Tipplers and patchers.....	6	32	2 00	64 00	10
Waiters.....	2	300	1 25	375 00	10

CARRIAGES AND WAGONS—75 ESTABLISHMENTS.

Apprentices.....	6	76	\$1 63	\$123 88	10
Blacksmiths.....	231	277	1 86	515 22	9.5
Blacksmiths' helpers.....	26	295	1 47	433 65	9.9
Bodymakers.....	7	247	1 65	407 55	10
Carver.....	1	76	4 50	342 00	10
Carver's assistant.....	1	76	2 50	190 00	10
Carriage makers.....	2	150	2 50	375 00	10
Craters.....	34	267	1 55	413 85	10
Engineers.....	4	234	2 18	510 12	10
Finishers.....	13	247	1 61	397 67	10
Gear hands.....	10	247	1 08	266 76	10
Harness maker.....	1	306	2 00	612 00	10
Helpers.....	11	256	1 20	307 20	10
Laborers.....	118	286	1 46	417 56	10
Machine hands.....	5	300	1 75	525 00	10
Machineist.....	1	300	3 75	1,125 00	10
Packers.....	8	274	1 79	490 46	10
Painters.....	265	270	1 69	456 30	9.5
Painters' helpers.....	22	287	2 34	384 58	9.9
Reed workers.....	3	310	1 40	434 00	10
Repository employes.....	2	252	3 00	756 00	10
Sawyer.....	1	76	1 75	133 00	10
Setters-up.....	3	300	1 50	450 00	10
Silver platers.....	2	76	1 75	133 00	10
Stickers.....	2	76	1 50	114 00	10
Stock hands.....	2	252	1 75	441 00	10
Teamster.....	1	295	1 50	442 50	10
Trimmers.....	156	273	1 93	526 89	9.4
Trimmers' helpers.....	23	285	1 16	330 60	9.2
Varnishers.....	3	76	2 25	171 00	10
Wagon makers.....	8	293	1 55	454 15	9.5
Watchmen.....	2	305	1 58	481 90	10
Welder.....	1	300	2 50	750 00	10
Wheel makers.....	15	300	2 00	600 00	10
Woodworkers.....	141	261	2 09	545 49	9.8
Woodworkers' helpers.....	9	273	1 39	379 47	10
Yardmen.....	2	300	1 75	525 00	10

CARRIAGE AND WAGON MATERIALS—17 ESTABLISHMENTS.

Belters.....	9	281	1 60	429 60	10
Bench hands.....	2	290	1 65	478 50	10
Benders.....	22	279	1 41	393 39	9.8
Bevelers.....	24	281	1 45	407 45	9.8
Body makers.....	20	100	1 45	145 00	10
Blacksmiths.....	18	209	2 63	549 67	10
Cutters.....	4	306	1 65	504 90	10
Engineers.....	13	256	2 02	517 12	10
Filer.....	1	276	1 60	441 60	10
Finishers.....	34	308	1 71	526 68	10
Finishers and helpers.....	20	287	1 50	430 50	10
Firemen.....	11	277	1 67	462 59	9.9
Fitters.....	37	308	2 50	770 00	10
Forgers (axle).....	31	308	2 50	770 00	10
Forgers (spring).....	29	308	2 00	616 00	10

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

CARRIAGE AND WAGON MATERIAL—17 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Foremen.....	9	274	\$2 53	\$693 22	9.5
Foreman's assistant.....	1	276	2 00	552 00	10
Grinders.....	16	308	3 00	924 00	10
Groovers.....	5	308	1 50	462 00	10
Hub workers.....	9	277	1 89	523 53	9
Inspectors.....	3	300	2 18	654 00	10
Iron workers.....	7	306	1 60	489 60	10
Laborers.....	134	252	1 40	352 80	9.7
Laborers (boys).....	72	266	87	231 42	10
Machine hands.....	47	267	1 48	395 16	10
Machinists.....	36	134	1 79	239 86	10
Mechanics.....	3	287	2 25	645 75	10
Mechanics' helpers.....	3	287	2 00	574 00	10
Millwright.....	1	308	2 50	770 00	10
Moulders and planers.....	1	300	1 75	525 00	10
Packers.....	2	283	1 63	467 29	10
Painters.....	2	203	1 75	355 25	10
Pattern maker.....	1	276	1 60	441 60	10
Planers and sawyers.....	5	300	1 40	420 00	10
Polishers.....	10	308	2 00	616 00	10
Primer.....	1	279	1 50	418 50	9
Ramsmen.....	5	287	1 25	358 75	10
Rim benders.....	9	279	1 44	401 76	9
Sawyers.....	19	273	1 65	450 45	9.6
Spoke makers.....	23	281	1 54	432 74	9.3
Teamsters.....	12	266	1 57	417 62	10
Turners.....	14	287	2 43	697 41	10
Watchmen.....	5	285	1 52	433 20	10
Wheelmakers.....	24	277	1 50	415 50	10
Woodworkers.....	100	220	1 86	408 20	10
Yardmen.....	15	27	1 33	35 91	10

CARS AND CAR FURNISHINGS—2 ESTABLISHMENTS.

Blacksmiths.....	9	303	2 43	736 29	9.8
Car builders.....	108	300	2 48	744 00	10
Carpenters.....	20	300	2 75	825 00	10
Engineer.....	1	310	2 00	620 00	9.5
Laborers.....	32	301	1 59	478 59	9.9
Machinists.....	6	302	2 12	640 24	9.9
Mill hands.....	30	300	2 75	825 00	10
Molders.....	3	310	3 00	930 00	9
Painters.....	30	300	2 50	750 00	10

CHURNS—2 ESTABLISHMENTS.

Churn makers.....	6	302	1 75	528 50	10
Engineer.....	1	245	1 60	392 00	10
Handle belter.....	1	302	1 25	377 50	10
Handle turner.....	1	302	1 50	453 00	10
Laborers.....	7	302	1 25	377 50	10
Machine hands.....	16	266	1 44	383 04	9.7
Packers.....	2	302	1 50	453 00	10
Piece workers.....	6	245	2 00	490 00	9
Sawyers.....	3	302	1 50	453 00	10
Teamster.....	1	302	1 35	407 70	10
Teamsters (with team).....	3	302	3 00	906 00	9
Varnishers.....	2	245	1 40	343 00	9.5

CIGARS—80 ESTABLISHMENTS.

Apprentices.....	5	289	47	135 83	8.4
Bunchers.....	2	277	78	216 06	9
Cigar makers.....	165	271	1 81	490 51	8
Foreman.....	1	260	2 00	520 00	8
Laborers.....	2	281	70	196 70	9
Long fillers.....	2	280	90	252 00	10

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

CIGARS—80 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Packers.....	2	223	\$2 00	\$446 00	8
Rollers.....	29	247	1 22	301 34	8.6
Stemmers.....	2	276	62	171 12	9.5
Stockman.....	1	280	1 50	140 00	4
Stogie makers.....	74	293	1 82	533 26	9.5
Strippers.....	9	279	48	133 92	9

CLOTHING—58 ESTABLISHMENTS.

Apprentices.....	4	288	80	230 40	9.5
Bushelman.....	1	311	2 00	622 00	10
Button riveter.....	1	300	1 25	375 00	9.5
Coat makers.....	51	298	2 12	631 76	11.5
Cutters.....	14	288	1 98	570 24	10
Cutters' assistant.....	1	280	1 16	324 80	10
Engineers.....	2	290	1 33	385 70	9.7
Folder.....	1	300	1 25	375 00	9.5
Inspector.....	1	300	1 25	375 00	9.5
Laborer.....	1	306	1 75	535 50	9
Machine operators.....	2	300	1 25	375 00	9.5
Packer.....	1	300	2 00	600 00	9.5
Pressers.....	5	276	1 29	356 04	10
Tailors.....	31	270	2 10	567 00	9.7
Trouser makers.....	5	303	1 52	460 56	9.6
Vest maker.....	1	312	2 00	624 00	10
Watchman.....	1	300	1 00	300 00	9.5

COFFEE, BAKING POWDER AND SPICES—3 ESTABLISHMENTS.

Laborer.....	1	35	1 50	52 50	10
Mixers and roasters.....	2	210	1 75	367 50	9
Packers and labelers.....	3	210	1 50	315 00	9
Roaster.....	1	24	1 50	36 00	8

CONFECTIONERY—2 ESTABLISHMENTS.

Candy makers.....	2	182	1 50	273 00	10
Ice cream maker.....	1	210	1 50	315 00	12
Laborer.....	1	210	1 50	315 00	10

COOPERAGE—36 ESTABLISHMENTS.

Bolt men.....	43	293	1 75	513 75	10
Bolt pulers.....	26	300	1 62	326 00	10
Box fillers.....	15	285	1 53	436 05	9.9
Buyers.....	2	240	2 00	480 00	10
Carriers.....	2	189	1 45	274 05	9.5
Coilers.....	18	170	2 12	360 40	10
Coilers' helper.....	1	200	1 55	310 00	10
Coopers.....	59	263	1 41	370 82	9.5
Cull carriers.....	13	300	1 25	375 00	10
Cullers.....	23	229	1 65	377 85	9
Cutters.....	35	209	2 24	468 16	10
Edger.....	1	200	1 35	270 00	10
Engineers.....	35	229	1 81	414 49	10.5
Equalizers.....	15	288	1 71	348 48	9.9
Firemen.....	25	230	1 57	361 10	10
Foremen.....	10	152	2 52	383 04	10
Fuel boy.....	1	275	1 00	275 00	10
Hoop maker.....	1	181	2 00	362 00	10
Inspector.....	1	275	1 50	412 50	10
Joiners.....	103	286	1 54	440 44	10
Laborers.....	328	134	1 43	191 62	10
Lappers.....	6	164	1 68	275 52	10
Lappers' helper.....	1	200	90	180 00	10
Log man.....	1	200	1 35	270 00	10

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

COOPERAGE—36 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Machine hands.....	47	213	\$1 92	\$ 409 06	9.6
Mill hands.....	34	273	1 52	414 96	9.8
Off leavers.....	6	233	1 27	295 91	10
Packer.....	1	120	1 25	150 00	10
Pilers.....	5	177	1 70	300 90	9.5
Planers.....	9	202	1 32	266 64	10
Planers (boys).....	7	110	1 05	115 50	9.8
Pointers.....	2	88	1 32	116 16	10
Pullers (bolt).....	2	228	1 75	399 00	10
Pullers (box).....	1	149	1 50	223 50	9
Pullers (plank).....	2	175	1 67	292 25	10
Sawyers.....	62	230	1 73	397 90	9.9
Sawyers' helper.....	1	149	1 50	223 50	9
Setters.....	3	208	1 36	282 88	9.6
Shavers.....	2	275	1 25	343 75	10
Skidder.....	1	228	1 75	399 00	10
Stave department hands.....	5	300	4 00	1,200 00	10
Tank man.....	1	79	1 25	98 75	10
Teamsters.....	115	260	1 51	392 60	10
Teamsters (with team).....	14	175	3 89	680 75	9.8
Trolley men.....	15	285	1 52	433 20	9.9
Turner.....	1	149	2 50	372 50	9
Watchmen.....	7	196	1 50	294 00	11.7
Woodworkers.....	30	170	1 60	272 00	10
Yardmen.....	8	261	1 52	244 72	10

COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—14 ESTABLISHMENTS.

Carders.....	29	276	1 18	325 68	10
Card tender.....	1	300	.85	255 00	10
Cutters.....	3	306	1 25	382 50	10
Dyers.....	49	330	1 49	491 70	10
Dyer and finisher.....	1	55	2 00	110 00	11
Engineers.....	7	248	1 99	493 52	8.7
Framers.....	5	300	.75	225 00	10
Finishers.....	45	291	1 23	357 93	10
Fireman.....	1	306	1 50	459 00	10
Foreman.....	1	300	3 33	999 00	10
Fuller.....	1	300	1 40	420 00	10
Helpers.....	2	273	1 00	273 00	10
Knitters.....	21	279	1 05	292 95	9.8
Laborers.....	2	309	1 58	488 22	10
Loom foremen.....	2	303	2 63	796 89	10
Loom fixer.....	1	245	1 50	367 50	10
Machinist.....	8	299	2 12	633 88	10
Napper.....	1	306	1 50	459 00	10
Overseers.....	2	300	1 80	540 00	10
Packers.....	4	304	1 30	395 20	10
Pickers.....	20	295	.98	289 10	10
Porter.....	1	300	1 50	450 00	10
Pressman.....	1	306	1 50	459 00	10
Sorters.....	6	289	1 27	367 03	10
Spinners.....	35	287	91	261 17	9.4
Twister.....	1	55	.75	41 25	11
Watchman.....	1	306	1 50	459 00	10
Weavers.....	11	287	1 48	424 76	10
Winders.....	4	300	.60	180 00	10
Wool washer.....	1	300	1 35	405 00	10

DAIRY PRODUCTS—55 ESTABLISHMENTS.

Butter makers.....	44	284	1 96	556 64	9.2
Cheese makers.....	14	257	1 76	452 32	10.2
Condensed milk maker.....	1	312	2 50	780 00	8
Creamery helpers.....	27	307	1 11	340 77	8.6

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

DAIRY PRODUCTS—55 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Engineers.....	3	270	\$1 50	\$ 405 00	10
Foremen.....	3	243	2 14	530 72	10
Helpers.....	2	303	1 75	530 25	10
Ice cream maker.....	1	365	2 50	912 50	10
Laborers.....	19	210	1 50	315 00	10
Pasteurizer.....	1	365	1 25	456 25	10
Skim station operators.....	27	333	1 68	559 44	10
Teamsters.....	39	277	1 54	272 58	8.4
Tester.....	1	300	1 25	375 00	6
Weigher.....	3	322	1 05	338 10	8

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—11 ESTABLISHMENTS.

Advertising department hands.....	2	310	63	195 30	9.5
Boiler makers.....	6	306	2 15	657 90	10
Bottle washer.....	1	304	75	228 00	8.5
Carpenter.....	4	306	2 50	765 00	10
Chemists.....	3	110	1 92	211 20	10
Compounder.....	1	303	4 25	1,287 75	10
Engineers.....	7	304	2 26	687 04	11
Fireman.....	1	290	1 35	391 50	8
Foreman.....	1	290	2 00	580 00	8
Laborers.....	363	306	1 16	354 96	11.6
Machinists.....	18	306	2 27	694 62	10
Potash maker.....	1	150	1 50	225 00	10
Steam fitters.....	8	306	2 07	633 42	10
Teamsters.....	2	150	1 50	225 00	10

ELECTRICAL GOODS AND SUPPLIES—7 ESTABLISHMENTS.

Blacksmith.....	1	283	3 50	990 50	10
Burner.....	1	297	3 00	891 00	10
Carbon molders.....	10	298	1 75	521 50	10
Carpenters.....	1	283	2 25	636 75	10
Engineers.....	2	291	2 00	582 00	10
Finishers.....	4	292	1 77	516 84	10
Foremen.....	2	300	2 50	750 00	10
Furnace men.....	2	283	3 50	990 50	10
Glass workers.....	60	283	3 45	976 35	9
Glass workers (boys).....	67	283	2 85	240 55	9
Grinders.....	14	283	2 00	566 00	10
Insulator makers.....	30	275	1 60	440 00	10
Kilns hands.....	4	275	1 60	440 00	10
Laborers.....	59	286	1 60	457 60	10
Machinists.....	4	304	1 62	492 48	10
Mechanics.....	5	292	2 72	794 24	10
Melter.....	1	306	1 50	459 00	10
Molder.....	1	306	1 83	559 98	10
Mold maker.....	1	283	5 00	1,415 00	10
Packers.....	9	280	2 03	568 40	10
Pump room employees.....	1	292	3 00	786 00	10

FIREWORKS—2 ESTABLISHMENTS.

Carpenters.....	2	287	2 50	717 50	9.2
Chargers.....	30	280	1 52	273 60	9.3
Case makers.....	13	280	1 45	406 00	9.3
Drivers.....	3	280	1 47	411 60	9.7
Engineer.....	1	275	1 50	412 50	11.2
Finishers.....	20	286	1 12	320 32	9.1
Laborers.....	14	275	1 33	365 75	9.5
Mixers.....	4	288	1 56	449 28	9.2
Packers.....	2	275	1 75	481 25	9.5
Paper cutter.....	1	275	1 67	469 25	9.5
Star makers.....	4	275	1 50	412 50	9.5
Watchmen.....	2	288	1 56	449 28	11

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

FLOURING MILL PRODUCTS—243 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentices.....	4	309	\$1 31	\$404 79	10.5
Chopper.....	1	306	1 50	459 00	12
Clerk.....	1	250	1 25	312 50	10
Coopers.....	17	280	1 50	420 00	10
Electrician.....	1	300	2 50	750 00	10
Elevator men.....	7	245	1 84	450 80	10
Engineers.....	171	277	1 59	440 43	11
Firemen.....	13	266	1 41	375 06	10.1
Floormen.....	10	275	1 47	404 25	8
Foremen.....	2	213	2 00	426 00	10
Helpers.....	4	175	1 32	231 00	10
Laborers.....	216	281	1 41	396 21	10
Millers.....	292	272	1 83	497 76	11
Millers' helper.....	1	300	1 75	525 00	10
Oiler.....	1	300	1 50	450 00	10
Packers.....	56	265	1 55	410 75	10.5
Shipper.....	1	300	1 50	450 00	10
Spoutmen.....	2	227	1 75	397 25	12
Sweepers.....	5	278	1 32	366 96	10
Teamsters.....	90	230	1 20	276 00	10
Teamster (with team).....	1	310	3 00	930 00	5
Trackmen.....	3	227	1 50	340 50	10
Warehouse men.....	6	301	1 30	391 30	10
Weighmasters.....	3	280	1 34	375 20	10

FOUNDRY AND MACHINE SHOP PRODUCTS—64 ESTABLISHMENTS.

Apprentices.....	30	261	76	198 36	9.9
Assembler.....	1	282	1 50	423 00	9
Bench hands.....	5	300	1 35	405 00	10
Blacksmiths.....	59	294	2 18	640 92	9.8
Blacksmiths and helpers.....	2	100	1 60	160 00	9.5
Blacksmith's helpers.....	13	243	1 48	359 64	9.7
Boiler makers.....	7	301	2 18	656 18	9.5
Brass workers.....	1	100	1 55	155 00	9.7
Car builders.....	10	295	1 80	531 00	9.7
Carpenters.....	48	297	1 85	549 45	9.7
Chain makers.....	43	273	1 68	458 64	8
Cleaners.....	99	294	1 52	446 88	10
Constructors.....	10	308	1 60	492 80	10
Core makers.....	55	253	1 74	440 22	10
Core makers' helper.....	1	75	1 50	112 50	10
Cupola men.....	7	240	1 53	367 20	9.3
Drillers.....	8	267	1 62	432 54	9.7
Draughtsmen.....	2	300	1 67	501 00	9
Electricians.....	34	288	1 84	529 92	10
Engineers.....	34	288	1 84	529 92	10
Firemen.....	3	284	1 75	461 00	10
Foremen.....	9	191	2 57	490 87	9.2
Forgers.....	5	170	1 80	306 00	10
Forger's helpers.....	5	170	1 60	272 00	10
Foundry hands.....	210	300	1 65	495 00	10
Gin hands.....	2	312	1 25	390 00	10
Inspectors.....	2	273	2 25	614 25	10
Iron workers.....	79	305	2 48	756 40	9
Laborers.....	337	278	1 44	400 32	9.8
Link cutters.....	4	273	1 90	518 70	10
Machine hands.....	38	305	2 14	652 70	10
Machinists.....	270	203	2 13	432 39	9.9
Machinists' helpers.....	2	309	1 50	463 50	9.5
Mechanics.....	19	308	1 31	403 48	10
Molders.....	426	285	2 13	607 05	10.1
Molder's helpers.....	5	257	1 70	436 90	9.6
Mounter.....	1	227	2 00	454 00	10
Packers.....	5	230	1 25	287 25	9

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.
 FOUNDRY AND MACHINE SHOP PRODUCTS—64 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Painters.....	6	168	\$ 1 47	\$ 246 96	9.6
Pattern makers.....	46	253	2 45	619 85	10
Plate worker.....	1	283	1 50	423 00	9
Pipe fitters.....	128	287	2 17	623 09	8
Polishers.....	3	208	1 67	347 36	9.3
Pressmen.....	6	310	1 75	542 50	10
Printer.....	1	305	1 50	457 50	10
Repairers.....	5	299	2 00	598 00	8.8
Riveters.....	8	300	1 50	450 00	10
Sawyers.....	2	300	1 67	501 00	10
Sand cutters.....	2	300	1 67	501 00	10
Sheet-iron workers.....	5	285	1 60	456 00	9
Shippers.....	2	290	2 08	603 20	10
Stock men.....	2	303	1 25	378 75	10
Tapping department hands.....	30	308	1 58	486 64	10
Tinner.....	1	305	2 50	762 50	10
Teamster.....	1	312	1 50	468 00	10
Tool makers.....	2	100	1 75	175 00	9.5
Wagon makers.....	2	310	2 25	697 50	10
Watchmen.....	6	271	1 48	402 08	11.1
Wheel borers.....	8	300	2 75	825 00	10
Wheel cleaners.....	8	300	1 67	501 00	10
Winders.....	4	273	1 56	425 88	10
Yard men.....	95	293	1 43	418 99	10
FURNITURE—35 ESTABLISHMENTS.					
Apprentices.....	6	275	91	250 25	10
Assemblers.....	9	288	1 58	455 04	8
Band sawyers.....	2	300	1 87	561 00	10
Bed makers.....	2	297	1 10	326 70	8
Bench hands.....	29	280	1 83	512 40	10
Brass workers.....	3	300	2 50	750 00	10
Cabinet makers.....	73	288	1 75	504 00	10
Carvers.....	6	291	2 36	687 76	10
Chair makers.....	114	280	3 14	879 20	9.8
Chippers.....	2	300	1 25	375 00	10
Cupola tenders.....	2	300	1 60	480 00	10
Engineers.....	27	279	1 67	465 93	10
Filer.....	1	276	4 00	1,104 00	10
Filler.....	1	296	1 25	370 00	10
Finishers.....	95	282	1 51	422 82	9.2
Foremen.....	7	235	1 90	446 50	9.9
Furniture maker.....	1	300	1 25	375 00	10
Gluers.....	7	290	1 61	466 90	10
Helper.....	1	300	1 25	375 00	10
Inspector.....	1	286	1 75	500 50	10
Laborers.....	151	284	1 36	386 24	10.5
Link makers.....	2	297	1 00	297 00	8
Lumber stackers.....	11	292	1 25	365 00	10
Machine hands.....	308	276	1 73	477 48	9.9
Machine hands' assistants.....	9	270	73	197 10	10
Machinists.....	18	261	2 06	537 66	10
Molders.....	14	300	1 75	525 00	10
Molders and helpers.....	18	255	3 50	892 50	10
Mounters.....	4	300	1 50	450 00	10
Packers.....	47	297	1 50	445 50	10
Painters.....	15	238	1 60	440 80	10
Pattern maker.....	1	306	3 00	918 00	10
Polishers.....	7	296	2 17	642 32	10
Repairer.....	1	208	2 00	416 00	10
Rubbers.....	7	300	2 00	600 00	10
Sanders.....	16	277	1 69	468 13	10
Sawyers.....	7	294	1 93	567 42	10
Seaters.....	2	300	2 00	600 00	10
Shape men.....	2	300	1 75	525 00	10

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

FURNITURE—35 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Shipping clerk.....	1	297	\$ 1 50	\$445 00	8
Spring makers.....	2	297	1 20	356 40	8
Spring makers' assistants.....	2	297	1 50	148 50	8
Teamsters.....	17	264	1 46	385 44	10
Teamsters (with teams).....	4	300	3 25	975 00	10
Turners.....	12	295	2 38	702 10	10
Upholsterers.....	19	301	1 86	559 86	10
Varnishers.....	29	280	2 23	624 40	10
Varnisher and finisher.....	1	300	1 35	405 00	10
Veneers.....	3	294	1 75	514 50	10
Watchmen.....	2	294	1 36	399 84	11.6
Weavers.....	2	297	1 25	371 25	8
Woodworkers.....	12	300	1 85	555 00	10
Yardmen.....	2	270	1 25	337 50	10

GAS AND ELECTRICITY—97 ESTABLISHMENTS..

Apprentices.....	2	365	88	321 20	10
Dynamo tender.....	1	365	2 00	730 00	10
Electricians.....	20	365	2 25	821 25	10.4
Electricians' assistants.....	2	365	1 62	591 30	12
Elevator men.....	3	365	1 60	584 00	12
Engineers.....	114	352	1 88	661 76	10.6
Firemen.....	45	340	1 33	452 20	10.9
Foremen.....	3	365	1 94	708 10	10
Gas fitters.....	2	365	1 15	419 75	7.5
Gas makers.....	6	356	1 64	583 84	11.6
Helpers.....	3	365	1 33	485 45	12
Laborers.....	23	365	1 31	478 15	9.6
Linemen.....	22	365	1 77	646 05	9.9
Linemen's assistants.....	3	365	1 40	511 00	9.3
Oiler.....	1	365	50	182 50	9.5
Plumbers.....	2	52	1 50	78 00	10
Teamster.....	1	72	1 00	72 00	10
Trimmers.....	10	321	1 30	417 30	8.7
Wireman.....	1	365	1 75	638 75	10
Yardman.....	1	365	1 50	547 50	10

GLASS AND GLASSWARE—6 ESTABLISHMENTS.

Assorters.....	3	262	2 00	524 00	10
Batch wheelers.....	2	108	2 00	216 00	9
Blacksmiths.....	5	243	2 33	566 19	9.6
Blacksmith's helper.....	1	196	1 50	294 00	10
Blowers.....	97	214	6 85	1,465 90	7.8
Boiler room employes.....	22	304	1 80	547 20	12
Bookers.....	3	304	1 65	501 60	11
Box makers and packers.....	7	196	1 75	343 00	10
Bricklayers.....	24	304	2 20	688 80	10
Carpenters.....	14	304	1 92	583 68	10
Carriers.....	4	241	1 75	421 75	10
Cutters.....	20	179	5 15	921 85	9.5
Electrical department employes.....	5	304	2 16	656 64	12
Engineers.....	13	293	2 28	668 04	11.8
Fillers.....	3	262	1 25	327 50	10
Firemen.....	2	262	1 80	571 60	12
Flatteners.....	12	167	6 95	1,160 65	11.3
Foremen.....	2	241	5 00	1,205 00	12
Furnace room employes.....	87	303	1 99	602 97	10
Gas producers.....	26	304	1 98	601 92	12
Gatherers.....	47	162	1 78	288 36	7.5
Glass workers.....	85	241	3 50	843 50	9
Glass workers (boys).....	97	248	71	176 08	9
Grinders.....	152	303	1 92	581 76	11
Laborers.....	105	260	1 50	390 00	9.8
Laborers (skilled).....	20	280	3 20	896 00	9

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

GLASS AND GLASSWARE—6 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Lehr tenders.....	22	208	\$1 54	\$320 32	11
Machine hands.....	25	262	1 90	497 80	10
Machinists.....	38	303	1 80	545 40	10
Master teasers.....	4	152	2 71	411 92	12
Mixers.....	8	247	1 78	441 26	9.7
Mold boys.....	100	262	2 90	235 80	8
Mold makers.....	15	241	2 00	482 00	9
Packers.....	25	247	1 67	412 49	9.8
Plaster mill employes.....	3	304	1 98	601 92	11
Polishers.....	86	304	1 58	480 32	11
Pot maker.....	2	174	2 96	515 04	9.5
Pot maker's helper.....	1	108	1 50	162 00	9
Pottery employes.....	29	304	1 59	483 36	10
Roller boys.....	8	152	1 32	200 64	9.3
Selector.....	1	241	2 17	522 97	10
Shippers.....	4	241	2 40	578 40	10
Snappers.....	47	162	1 70	275 40	7.5
Teasers.....	6	137	1 64	224 68	12
Truckers.....	8	262	1 50	393 00	10
Warehouse employes.....	51	300	1 47	441 00	10
Watchmen.....	3	255	1 75	446 25	11.3
Yardmen.....	43	275	1 41	387 75	9.9

GLOVES AND MITTENS—2 ESTABLISHMENTS.

Cutters.....	3	283	1 50	424 50	10
Laborer.....	1	300	1 00	300 00	10
Packer.....	1	300	1 40	420 00	10
Turners.....	6	300	1 00	300 00	10

HANDLES—25 ESTABLISHMENTS.

Blacksmith.....	1	312	2 00	624 00	10
Bolters.....	2	192	1 79	343 68	10
Engineers.....	7	210	1 64	344 40	10.2
Equalizer.....	1	120	2 00	240 00	10
Finishers.....	19	293	1 52	445 56	10
Firemen.....	2	210	1 62	340 20	9.5
Foreman.....	1	300	2 75	825 00	10
Handle makers.....	54	264	1 55	409 20	10
Jointer.....	1	265	1 50	397 50	10
Laborers.....	185	236	1 40	330 40	10
Laborers (boys).....	13	237	96	227 52	10
Machine operators.....	5	300	1 75	525 00	10
Matcher.....	1	265	1 66	439 90	10
Mill hands.....	8	120	1 50	180 00	10
Packers.....	3	291	1 70	494 70	10
Piler.....	1	265	1 50	397 50	10
Sanders.....	4	271	1 60	433 60	10
Sawyers.....	59	238	1 61	383 18	9
Shavers.....	8	304	1 48	449 92	10
Stick department hands.....	11	290	1 17	339 30	10
Teamsters.....	6	120	1 50	180 00	9.5
Turners.....	31	242	1 88	454 96	9.6
Turners' helper.....	1	120	1 50	180 00	10
Watchman.....	1	300	1 40	420 00	13

HARDWARE—4 ESTABLISHMENTS.

Assemblers.....	4	290	1 50	435 00	10
Buffers.....	9	294	1 50	441 00	10
Laborers.....	118	292	1 46	436 32	9.6
Machine hands.....	6	290	1 50	435 00	10
Molders.....	32	290	2 75	797 50	9.5
Painters (boys).....	5	290	1 00	290 00	10
Platers.....	2	295	2 58	761 10	10

TABLE IVg—MANUFACTURES—VILLAGES—Continued.

HARDWARE—4 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Polishers.....	25	290	\$2 50	\$725 00	9.5
Shipping clerk.....	1	290	2 00	580 00	10
Tool makers.....	2	290	3 00	870 00	10

HARNESS AND SADDLERY—18 ESTABLISHMENTS.

Awler.....	1	290	2 00	580 00	10
Benders.....	4	298	1 40	417 20	10
Binders.....	7	299	1 46	436 54	10
Blacksmiths.....	4	300	1 25	375 00	10
Cutters.....	32	219	1 63	356 97	10
Engineers.....	5	240	2 20	528 00	10
Errand boy.....	1	302	75	226 50	10
Finishers.....	2	280	1 25	350 00	9
Firemen.....	4	156	1 50	234 00	10
Foremen.....	24	168	2 41	404 88	10
Halter maker.....	6	300	1 00	300 00	8.2
Harness makers.....	70	272	1 46	397 12	10
Ironers.....	3	300	1 40	420 00	10
Knotters.....	2	290	75	217 50	10
Laborers.....	20	220	2 28	503 60	9.9
Laborers (boys).....	11	275	93	255 75	9.8
Machinists.....	7	300	1 50	450 00	10
Machine operators.....	4	294	1 62	476 28	10
Machine hands (boys).....	10	290	1 00	290 00	10
Metal department hands.....	20	156	1 10	171 60	10
Packers.....	28	156	75	117 00	10
Painters.....	3	300	1 50	450 00	10
Pickers.....	28	156	1 33	207 48	10
Quilters.....	7	290	1 00	290 00	10
Riveters.....	2	290	85	246 50	10
Rollers.....	70	156	1 67	260 52	10
Saddle makers.....	35	300	1 85	555 00	10
Shaver.....	1	280	1 50	420 00	9
Shippers.....	23	174	1 59	276 66	10
Sorters.....	2	290	1 50	435 00	10
Stuffers.....	206	160	1 71	273 60	10
Watchmen.....	2	156	2 00	312 00	10

ICE (ARTIFICIAL)—11 ESTABLISHMENTS.

Engineers.....	14	225	2 15	483 75	12
Firemen.....	7	232	1 35	313 20	12
Helpers.....	5	240	1 71	410 40	12
Ice pullers.....	4	220	1 37	301 40	12
Laborers.....	12	228	1 57	357 96	9.6
Oilier.....	1	306	2 00	612 00	12
Tank men.....	11	240	1 91	458 40	12
Tank men's helpers.....	2	190	75	142 50	12
Teamsters.....	17	231	1 66	383 46	11

IRON (STRUCTURAL AND ARCHITECTURAL)—3 ESTABLISHMENTS.

Blacksmiths.....	7	296	2 18	645 28	10
Core maker.....	1	294	2 25	661 50	10
Engineers.....	2	269	3 08	828 62	10
Erectors.....	5	310	2 25	697 50	10
Fireman.....	1	245	1 50	367 50	10
Helpers.....	20	264	1 29	340 56	10
Laborers.....	11	280	1 55	434 00	10
Machinists.....	8	265	1 92	508 80	10
Molders.....	6	294	2 75	808 50	10
Pattern makers.....	2	294	2 50	735 00	10
Pressmen.....	4	310	1 75	542 50	10
Riveters.....	3	310	1 75	542 50	10
Structural men.....	12	294	1 75	514 50	10
Watchman.....	1	294	1 75	514 50	12

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

LEATHER AND LEATHER GOODS—8 ESTABLISHMENTS,

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Assorters,.....	9	300	\$2 75	\$ 825 00	10
Beam hands.....	32	299	1 96	586 04	10
Engineers.....	5	298	2 65	789 70	10
Finishers.....	77	300	2 23	669 00	10
Harness maker.....	1	300	1 50	450 00	10
Laborers.....	19	301	1 66	499 66	9.
Tanners.....	81	302	1 66	501 32	9.9

LIGHTING APPARATUS—1 ESTABLISHMENT,

Machinists,.....	2	127	1 50	190 50	10
Tinners.....	2	127	1 50	190 50	10

LIME, SAND, CEMENT AND PLASTER—21 ESTABLISHMENTS,

Blacksmith.....	1	365	3 36	1,226 40	12
Brakemen.....	3	210	1 90	399 00	10
Boilers.....	5	210	1 46	306 60	10
Burners.....	15	240	1 88	451 20	11
Carpenters.....	7	318	2 83	899 94	11.4
Cement makers.....	1	365	2 64	963 60	12
Chemical room hand.....	2	300	2 00	600 00	10
Coopers.....	2	300	2 25	664 10	10
Drawers.....	2	300	1 60	480 00	10
Drillers.....	2	295	1 75	516 25	10
Dryers.....	7	222	1 77	392 94	10
Engineers.....	25	246	1 97	484 62	10.7
Firemen.....	30	263	2 01	528 63	10.1
Foremen.....	8	193	2 22	428 46	10.5
Grinders.....	4	365	2 64	963 60	12
Kiln hands.....	3	210	1 37	287 70	10
Laborers.....	187	253	1 60	404 80	10.5
Laborers (boys).....	3	215	50	107 50	10
Loaders.....	33	303	1 98	599 94	11.4
Machinists.....	5	272	2 48	674 56	10.8
Machine tenders.....	8	192	1 65	316 80	10.7
Masons.....	3	233	2 83	659 39	10
Mill hands.....	224	272	1 65	448 80	10
Miners.....	179	246	1 76	432 96	10
Mixers.....	2	278	2 05	569 90	10
Motorman.....	1	365	3 22	1,175 30	12
Oilers.....	4	210	1 56	327 60	10
Packers.....	11	360	2 85	741 00	11.7
Quarry men.....	122	289	1 49	430 61	10
Shed hands.....	6	290	1 75	507 50	10
Store keepers.....	2	213	2 20	268 60	12
Teamsters.....	9	292	1 50	438 00	10
Watchman.....	1	300	2 00	600 00	10
Warehouse men.....	12	250	1 60	400 00	10

LIQUORS (DISTILLED)—8 ESTABLISHMENTS,

Beer runners.....	2	179	2 37	423 33	10
Bottlers.....	4	171	1 87	322 77	10
Carpenters.....	2	204	2 00	408 00	10
Cellar men.....	3	302	1 60	483 20	10
Coopers.....	16	173	2 00	346 00	10
Distillers.....	5	230	3 70	814 00	10.4
Drawing room men.....	2	204	1 75	357 00	10
Elevator man.....	1	155	1 35	209 25	10
Engineers.....	4	195	2 04	397 80	10.5
Fermenters.....	10	253	1 75	442 75	10
Firemen.....	7	211	1 87	394 57	10
Foreman.....	1	204	3 00	612 00	10
Laborers.....	43	200	1 57	314 00	10
Mash hands.....	4	204	2 00	408 00	10

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

LIQUORS (DISTILLED)—8 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Meal room hands.....	2	204	\$1 50	\$306 00	10
Mill hands.....	2	179	2 00	358 00	10
Re-distiller.....	1	204	3 00	612 00	10
Teamsters.....	5	165	1 30	214 50	10
Teamsters (with team).....	4	304	2 50	760 00	10
Warehouse men.....	12	192	2 10	403 20	10
Watchman.....	1	204	1 66	338 64	10
Yeast makers.....	2	182	2 62	476 84	11

LIQUORS (MALT)—10 ESTABLISHMENTS.

Bottlers.....	10	314	1 54	483 56	9.8
Bottler (boy).....	1	365	1 75	273 75	10
Brewers.....	7	307	1 85	567 95	9.3
Cellar men.....	7	326	1 80	586 80	10.1
Collector.....	1	365	2 00	730 00	10
Drivers.....	12	317	1 77	561 09	9.7
Engineers.....	8	323	1 87	604 01	10.3
Fireman.....	1	313	1 00	313 00	6.5
Foreman.....	1	365	3 85	1,405 25	10
Hostler.....	1	365	1 35	492 75	10
Kettle hand.....	1	310	2 00	620 00	10
Laborers.....	17	322	1 61	518 42	9.6
Maltsters.....	2	365	1 35	492 75	10
Washhouse hand.....	1	310	2 00	620 00	10
Watchman.....	1	310	2 00	620 00	12

MACHINERY—34 ESTABLISHMENTS.

Apprentices.....	8	244	67	163 48	8.5
Assemblers.....	4	90	1 50	135 00	10
Bench hands.....	8	292	1 81	528 52	10
Blacksmiths.....	46	297	2 02	599 94	10
Blacksmiths' helpers.....	7	282	1 71	482 22	10
Boiler makers.....	3	309	2 50	772 50	10
Car builders.....	6	250	2 75	687 50	9
Carpenters.....	50	276	1 91	527 16	10
Core maker.....	3	281	1 75	491 75	10
Cupola tender.....	1	250	1 50	375 00	10
Draughtsmen.....	5	309	3 75	1,158 75	10
Engineers.....	11	268	1 92	514 56	10
Erectors.....	3	300	2 00	600 00	10
Fireman.....	1	305	1 45	442 25	10
Foremen.....	12	291	3 23	939 93	9.9
Glass cutter.....	1	90	1 50	135 00	10
Helpers.....	96	303	1 53	463 59	9.6
Laborers.....	229	293	1 41	413 13	10
Lathe hand.....	1	300	1 00	300 00	10
Machine hands.....	30	295	1 81	533 95	10.8
Machine hands' helpers.....	3	295	90	265 50	10
Machinists.....	252	295	2 34	690 30	9.8
Machinists' apprentices.....	5	305	1 14	347 70	10
Machinists' helpers.....	58	296	1 87	553 52	8.2
Molders.....	141	293	2 50	732 50	9.7
Molders' apprentices.....	4	295	1 25	368 75	10
Molders' helpers.....	48	299	1 71	511 29	9.2
Packer.....	1	90	1 50	135 00	10
Pattern makers.....	18	244	2 48	505 12	9.8
Painters.....	16	289	1 76	505 64	10
Painters' helpers.....	1	90	83	74 70	10
Polishers.....	2	90	1 50	135 00	10
Rivet makers.....	26	303	2 00	606 00	9.2
Sawyers.....	2	300	1 12	336 00	10
Teamster.....	1	300	1 50	450 00	10
Tinners.....	11	304	1 76	535 04	10
Varnishers.....	2	195	1 75	341 25	10
Watchmen.....	5	283	1 57	444 31	10.4
Wire drawers.....	3	303	2 00	606 00	9.2
Wood workers.....	27	283	1 69	478 27	9.9

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

MARBLE AND GRANITE—14 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentice.....	1	305	\$1 00	\$ 305 00	10
Blacksmiths.....	2	300	3 00	900 00	8
Carvers.....	4	300	3 50	1,050 00	8
Cutters.....	34	290	2 57	745 30	9.4
Engineer.....	1	300	2 00	600 00	9
Grinder.....	1	300	1 50	450 00	9
Laborers.....	60	290	1 50	435 00	10
Laborers (boys).....	3	252	83	209 16	10
Letterers.....	8	277	3 15	872 55	8.5
Lumpers.....	3	300	1 25	375 00	9
Polishers.....	3	300	2 25	675 00	9
Setters.....	3	300	2 83	549 00	9.3
Shipping clerk.....	1	300	2 90	870 00	9
Teamsters.....	4	256	1 85	473 60	10.1

MATCHES—2 ESTABLISHMENTS.

Box makers.....	136	298	1 22	359 56	10
Case makers.....	14	300	1 35	405 00	10
Engineer.....	1	275	2 00	550 00	10
Firemen.....	3	275	1 75	481 25	10
Foundry hands.....	40	300	2 17	651 00	10
Laborers.....	129	284	1 50	426 00	10
Machine hands.....	37	275	1 50	412 50	10
Machinists.....	178	299	2 68	891 32	10
Match makers.....	143	300	1 45	435 00	10
Packers.....	10	275	1 60	440 00	10
Pattern makers.....	13	296	2 34	692 64	10
Preparers.....	19	300	1 55	465 00	10
Teamsters.....	2	275	1 75	481 25	10

PAINTS AND VARNISHES—2 ESTABLISHMENTS.

Grinders.....	9	300	2 00	600 00	10
Laborers.....	13	300	1 85	555 00	10
Paint maker.....	1	122	2 50	305 00	10
Shipping clerks.....	12	300	1 75	525 00	10

PIANOS AND OTHER MUSICAL INSTRUMENTS—3 ESTABLISHMENTS.

Action makers.....	2	306	2 25	688 50	10
Action finishers.....	2	306	3 00	918 00	10
Action regulator.....	1	306	4 00	1,224 00	10
Bellows makers.....	3	304	2 50	760 00	10
Decorator.....	1	300	2 00	600 00	10
Engineer.....	1	306	2 00	612 00	10
Finishers.....	6	303	2 16	654 48	10
Foremen.....	8	300	4 00	1,200 00	10
Machine men.....	8	303	2 43	736 29	10
Metal workers.....	20	300	2 00	600 00	10
Organ case makers.....	3	306	2 25	688 50	10
Packer.....	1	306	2 00	612 00	10
Piano makers.....	4	260	3 31	860 60	10
Polishers.....	3	306	2 83	865 98	10
Rubber.....	1	306	2 00	612 00	10
Stainers.....	2	306	1 00	306 00	10
Stringer.....	1	306	2 25	688 50	10
Tone regulator.....	1	306	5 75	1,759 50	10
Tuners.....	2	306	3 75	1,147 50	10
Varnishers.....	3	306	2 92	893 52	10
Watchman.....	1	306	1 00	306 00	10
Wood workers.....	50	300	2 25	675 00	10

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

PICKLES, PRESERVES AND SAUCES—5 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Assorters.....	10	94	\$1 50	\$141 00	10
Canners.....	15	94	1 50	141 00	10
Capper.....	1	94	1 50	141 00	10
Cider makers.....	2	250	1 25	312 50	10
Cookers.....	2	242	1 83	462 86	10
Cooper.....	1	94	1 50	141 00	10
Engineers.....	2	85	1 75	148 75	10
Fireman.....	1	300	1 75	525 00	10
Foremen.....	2	267	2 00	534 00	10
Laborers.....	53	124	1 34	166 16	10
Processors.....	2	94	1 75	164 50	10
Pulp maker.....	1	94	1 50	141 00	10

POTTERY AND STONEWARE—32 ESTABLISHMENTS.

Bailer.....	1	50	1 25	62 50	10
Ball makers.....	2	250	1 00	250 00	10
Bisque brusher.....	5	296	93	275 28	9
Bisque kiln placers.....	10	293	2 25	659 25	9
Burners.....	16	290	2 67	774 30	9.5
Carpenters.....	5	348	2 70	939 60	11
Carriers.....	2	200	1 60	320 00	10
Coopers.....	1	273	2 33	636 09	8.6
Chemist.....	1	305	2 75	838 75	9.3
Clay miners.....	4	276	1 51	416 76	9
Clay washers.....	3	240	1 60	384 00	10
Clay workers.....	367	214	3 17	678 38	9
Decorators.....	75	297	2 90	861 30	9
Dippers.....	8	294	2 31	679 14	8.9
Dish makers.....	2	306	6 00	1,836 00	9
Drawers.....	50	296	1 75	518 00	8.1
Engineers.....	28	266	2 03	543 98	10
Finishers.....	6	239	1 00	239 00	10
Firemen.....	9	291	2 39	695 49	10
Foremen.....	3	219	3 08	674 52	10
Glazers.....	4	292	1 60	467 20	10
Glost kiln placers.....	13	292	2 67	779 64	9
Glost ware department hands.....	10	292	1 65	481 80	9
Handlers.....	2	306	6 25	1,912 50	9
Jigger men.....	32	273	3 68	1,004 64	9.2
Jolly men.....	54	275	2 47	679 25	8.8
Kiln hands.....	46	264	2 51	662 64	9.7
Kiln placers.....	15	289	1 50	433 50	10
Laborers.....	342	312	1 17	365 04	9.8
Loader.....	1	295	1 75	516 25	10
Mold boy.....	1	221	1 00	221 00	10
Mold carrier.....	2	150	1 00	150 00	9.5
Mold makers.....	8	296	2 94	870 24	8.7
Offbearer.....	1	275	85	233 75	9
Packers.....	38	277	1 81	501 37	9.5
Painters.....	2	305	1 75	533 75	9.3
Potters.....	16	223	2 64	588 72	9.5
Pressers.....	37	274	2 49	682 26	9.1
Puggers.....	5	206	1 73	356 38	10
Saggur makers.....	14	280	2 89	809 20	9.1
Setters.....	26	288	2 50	720 00	8.3
Slippers.....	27	244	1 80	439 20	8.9
Trimmers.....	2	170	1 25	212 50	8.5
Tube headers.....	14	239	1 50	358 50	10
Turners.....	22	265	3 50	927 50	9
Ware dressers.....	15	306	90	275 40	9
Warehouse men.....	15	296	1 90	562 40	9
Watchmen.....	10	251	1 88	471 88	11.9
Wheelers.....	4	277	1 60	443 20	10

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

PRINTING AND BINDING—152 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentices.....	19	301	\$ 56	\$ 168 56	9
Binder.....	1	300	1 85	555 00	9
Carriers.....	4	312	17	53 04	1
Collectors.....	3	309	1 16	358 44	8.6
Compositors.....	259	305	1 47	438 35	9.4
Editors.....	16	284	2 06	585 04	9.4
Engineer.....	1	300	3 40	1,020 00	10
Foremen.....	45	289	1 88	543 32	9.4
Janitor.....	1	308	1 25	385 00	11
Laborers.....	19	303	1 35	409 05	9.7
Machine operator.....	1	309	2 00	618 00	8
Machinists.....	15	300	2 00	600 00	10
Office boys.....	2	303	41	124 23	8
Press feeders.....	4	303	66	199 98	5
Pressmen.....	8	282	1 59	448 38	8.8
Reporters.....	5	264	1 79	472 56	9.7
Shippers.....	25	300	1 40	420 00	10
Solicitor.....	1	306	1 66	507 96	9
Tinners.....	11	300	1 60	480 00	10
Watchman.....	1	300	2 50	750 00	10
Wax workers.....	4	300	1 40	420 00	10
Wood workers.....	88	300	1 75	525 00	10

PUMPS AND WATER WHEELS—11 ESTABLISHMENTS.

Assemblers.....	1	300	2 50	750 00	10
Core maker.....	1	304	2 00	608 00	10
Core maker's helper.....	1	304	1 50	456 00	10
Cupola tender.....	1	304	1 60	486 40	10
Drillers (boys).....	3	304	1 00	304 00	10
Engineers.....	2	293	1 82	533 26	10
Foremen.....	2	304	2 25	684 00	10
Laborers.....	91	223	1 52	338 96	10
Machine operators.....	3	238	1 50	357 00	10
Machinists.....	111	290	1 21	350 90	10
Mechanics.....	5	302	1 38	416 76	9
Molders.....	43	238	2 35	559 30	10
Molders' apprentices.....	3	304	1 86	565 44	10
Molders' helpers.....	96	280	2 20	616 00	10
Packers.....	4	150	1 00	150 00	10
Painters.....	26	283	1 55	433 65	10
Pattern makers.....	7	298	2 53	753 94	10
Pump makers.....	8	250	1 50	375 00	10
Shippers.....	12	280	1 65	462 00	10
Shop men.....	100	280	1 60	448 00	10
Teamster.....	1	304	1 16	352 64	10
Tinsmiths.....	4	225	1 50	337 50	9.9

RUBBER GOODS—5 ESTABLISHMENTS.

Cleaner.....	1	264	90	237 60	10
Cutters.....	2	283	1 60	452 80	9.5
Curer.....	1	264	1 35	356 40	10
Dippers.....	2	264	1 50	396 00	10
Engineers.....	9	285	2 18	621 30	10.1
Files.....	4	265	2 00	530 00	10
Fireman.....	1	283	1 75	495 25	10
Foreman.....	1	250	3 00	750 00	10
Laborers.....	13	286	1 48	423 28	9.9
Machine operators.....	2	283	1 05	297 15	9.5
Mill men.....	5	283	1 60	452 80	9.5
Millwright.....	1	283	3 00	849 00	10
Mold fillers.....	2	265	1 50	397 50	10
Pressmen.....	5	279	1 32	368 28	9.6
Polishers.....	2	265	2 00	530 00	10

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

RUBBER GOODS—5 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Rubber workers.....	95	301	\$ 1 75	\$526 75	10
Sweeper.....	1	283	1 20	339 60	9.5
Turners.....	2	265	3 00	795 00	10
Watchman.....	1	283	1 20	339 60	9.5
Weight clerks.....	2	203	1 55	314 65	9.5

SALT—6 ESTABLISHMENTS.

Ash haulers.....	3	131	1 28	167 68	9
Brine tenders.....	3	132	1 38	182 16	10.3
Bromine makers.....	2	107	3 00	321 00	8
Carpenters.....	3	302	1 60	483 20	9.3
Coal passers.....	2	365	1 50	547 50	10
Coopers.....	38	233	1 46	340 18	8.8
Engineers.....	13	203	1 82	369 46	11.6
Firemen.....	74	234	1 61	376 74	8.1
Foremen.....	6	307	2 21	678 47	9.5
Foreman's assistant.....	1	270	1 50	405 00	9
Gin hand.....	1	10	1 25	12 50	9
Laborers.....	98	303	1 50	454 50	10
Lifters.....	21	144	1 32	193 08	7
Machinists.....	2	365	2 25	821 25	10
Miners.....	43	171	2 37	405 27	6.5
Nailers.....	2	10	1 70	17 00	9
Oilers.....	2	365	1 80	657 00	12
Packers.....	20	310	2 45	759 50	10
Salt makers.....	4	270	1 50	405 00	9
Steam fitters.....	2	365	2 00	730 00	10
Teamsters.....	4	115	1 88	216 20	8
Watchman.....	1	115	1 15	128 25	12
Water tenders.....	3	365	1 75	638 75	8
Well tenders.....	2	62	1 87	115 94	10
Well tenders' assistant.....	1	115	1 25	144 75	10
Wheelers.....	12	365	1 50	547 50	10

SASH, DOORS, LUMBER AND INTERIOR FINISH—161 ESTABLISHMENTS.

Apprentices.....	2	178	1 02	181 56	9.2
Blacksmith.....	1	210	1 75	367 50	10
Cabinet makers.....	10	302	2 20	664 40	10
Carpenters.....	214	260	1 97	512 20	9.4
Carver.....	1	302	2 00	604 00	10
Constructor.....	1	200	2 30	460 00	8
Coopers.....	2	240	2 00	480 00	10
Cutters.....	9	228	1 61	367 08	9.8
Draughtsmen.....	2	302	2 50	755 00	10
Draughtsmen's assistant.....	1	302	1 50	453 00	10
Edgers.....	3	205	1 89	387 45	10
Elevator man.....	1	306	1 25	382 50	10
Engineers.....	74	255	1 67	425 85	9.8
Filers.....	5	275	2 42	665 50	10
Finishers.....	12	291	2 02	587 82	9.9
Firemen.....	17	236	1 47	346 92	9.8
Foremen.....	20	279	2 17	605 43	9.9
Foremen's assistant.....	1	302	1 65	498 30	10
Frame makers.....	2	298	1 75	521 50	10
Inspectors.....	6	268	2 15	576 20	9.6
Laborers.....	491	255	1 46	372 30	9.4
Laborers (boys).....	5	200	1 00	200 00	10
Loggers.....	8	223	1 43	318 89	8.7
Machine hands.....	115	276	1 87	516 12	9.7
Machine hands' assistant.....	1	300	1 25	375 00	10
Machinists.....	28	246	2 21	543 66	10
Marker.....	1	306	1 75	535 50	10
Mason.....	1	110	3 00	330 00	10
Mill hands.....	401	265	1 40	371 00	9.5

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

SASH, DOORS, LUMBER AND INTERIOR FINISH—161 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Molder.....	1	234	\$1 67	\$390 78	10
Oar finishers.....	4	275	1 30	357 50	10
Offbearers.....	12	188	1 40	263 20	10
Pattern makers.....	8	268	2 22	594 96	10
Painters.....	3	302	1 25	377 50	10
Planers.....	4	265	1 77	469 05	10
Sash makers.....	2	220	2 25	495 00	10
Sawyers.....	103	253	1 62	390 86	9.8
Setters.....	11	204	1 43	291 72	10
Stackers.....	4	234	1 17	273 88	10
Stirrup maker.....	1	306	1 25	382 50	10
Teamsters.....	133	266	1 59	422 94	10
Teamsters (with team).....	5	149	3 60	238 40	10
Timber cutters.....	14	257	1 39	360 23	9.3
Turners.....	17	273	1 81	494 13	9.6
Turners' helpers.....	2	200	1 50	300 00	10
Varnishers.....	3	295	2 50	737 50	10
Watchmen.....	7	261	1 51	394 11	10.5
Wood workers.....	2	273	1 80	491 40	10
Yardmen.....	56	283	1 21	342 43	10
SLAUGHTERING AND MEAT PACKING—2 ESTABLISHMENTS.					
Butchers.....	20	315	1 69	522 35	10.4
Carpenter.....	1	313	1 66	519 58	10.5
Engineers.....	4	324	1 75	567 00	11.2
Laborer.....	1	335	1 00	335 00	10
Packers.....	3	313	1 33	416 29	10.5
Shipper.....	1	313	1 84	575 92	10.5
Teamsters.....	2	324	1 45	469 80	11.2
SODA AND MINERAL WATERS—9 ESTABLISHMENTS.					
Bottlers.....	8	267	1 68	448 56	9.6
Bottle washer.....	1	180	75	135 00	10
Laborers.....	2	206	1 67	342 02	10
Teamsters.....	4	260	1 50	390 00	9.2
STEEL, IRON AND TIN—17 ESTABLISHMENTS.					
Bench men.....	136	304	2 46	747 84	10
Blacksmiths.....	26	274	2 58	706 92	10
Blacksmiths' helpers.....	4	337	1 73	583 01	10
Blast tenders.....	2	365	2 20	803 00	12
Brick layers.....	2	304	3 54	1,076 16	9.5
Brick masons.....	25	264	4 33	1,143 12	8.2
Cagers.....	6	333	1 96	652 68	12
Carpenters.....	57	282	2 26	637 32	10
Cast house men.....	22	365	2 10	766 50	12
Chemists.....	12	298	2 28	681 64	11.1
Chemists' assistants.....	3	321	1 61	516 81	10
Choppers.....	75	175	1 00	175 00	8
Cinder men.....	37	329	2 02	663 58	10.7
Cleaners.....	5	327	1 76	575 52	9.2
Crib tender.....	1	339	1 75	596 55	10
Cutters.....	26	304	1 92	583 68	10
Draughtsmen.....	8	283	2 15	608 45	10
Electricians.....	15	287	2 21	634 27	11.7
Engineers.....	58	283	2 55	721 65	11.8
Engineers' helpers.....	2	323	2 20	710 60	12
Fillers.....	196	323	2 08	671 84	11.2
Fillers' helpers.....	8	323	2 03	655 69	12
Firemen.....	131	285	2 03	578 55	11.8
Firemen's helpers.....	4	336	1 77	594 72	10
Foremen.....	42	316	2 91	919 56	10.8
Foundry hands.....	2	238	3 04	723 52	11

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

STEEL, IRON AND TIN—17 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Furnace men.....	401	283	\$1 95	\$ 551 85	12
Gin hand.....	1	119	1 20	142 80	10
Guttermen.....	12	333	1 88	626 04	8.1
Heaters.....	5	284	9 08	2,578 72	10
Heaters' helpers.....	8	280	5 00	1,400 00	10
Helpers.....	151	285	2 14	609 90	11.2
Hookers.....	2	340	2 20	748 00	12
Hot mill men.....	4	285	2 20	627 00	12
Iron breakers.....	2	340	2 75	935 00	12
Iron breakers' helpers.....	2	340	2 20	748 00	12
Iron carriers.....	15	333	3 00	999 00	12
Iron graders.....	15	325	1 69	549 25	10
Keepers.....	20	290	2 33	675 70	12
Keepers' helpers.....	16	306	2 08	636 48	12
Laborers.....	1,229	269	1 77	476 13	10
Limestone pounders.....	2	339	1 65	559 35	9
Loaders.....	12	339	1 80	610 20	9.3
Machinists.....	153	282	2 49	692 18	10
Machinists' helpers.....	4	326	1 90	619 40	10
Millwrights.....	7	249	2 76	687 24	10
Millwrights' assistants.....	4	280	1 50	420 00	10
Miners.....	90	212	2 08	440 96	8.2
Molder.....	1	285	2 20	627 00	10
Oilers.....	2	340	1 90	646 00	12
Ore burner.....	1	119	1 20	142 80	10
Ore pounders.....	2	119	98	116 62	10
Pipe fitters.....	6	304	1 90	646 00	10
Piercers.....	25	304	4 04	1,228 16	10
Puddlers.....	16	280	4 85	1,358 00	10
Puddlers' helpers.....	16	280	2 65	742 00	10
Pumpers.....	2	285	2 20	627 00	12
Railway employes.....	55	294	2 44	717 36	12
Rollers.....	131	273	7 30	1,992 90	9.1
Rollers' helpers.....	3	280	5 00	1,400 00	10
Roll turner.....	1	280	5 00	1,400 00	10
Roll turners' helpers.....	3	280	3 50	980 00	10
Roughers.....	20	282	5 67	1,598 94	9.8
Scrappers.....	6	320	1 60	512 00	11.3
Setter.....	1	358	1 50	577 50	10
Shearmen.....	25	240	6 79	1,629 60	10
Shearmen's helpers.....	80	230	2 18	501 40	10
Sheet mill men.....	408	234	3 03	709 02	8
Steel workers (skilled).....	125	283	3 70	1,047 10	12
Steel workers (unskilled).....	370	283	1 95	551 85	12
Stock men.....	23	308	1 60	492 80	10.1
Store keepers.....	4	335	1 95	653 25	12
Stove tenders.....	8	337	2 05	690 85	12
Straighteners.....	10	280	2 50	700 00	10
Stranners.....	13	280	4 50	1,260 00	10
Teamsters.....	39	224	1 35	302 40	11.3
Teamsters (with team).....	20	175	3 00	525 00	10
Trough men.....	4	323	2 03	655 69	12
Unloaders.....	30	330	1 65	544 50	10
Watchman.....	1	300	1 50	450 00	10
Water tenders.....	5	362	2 06	743 72	10.8
Weighers.....	4	326	2 10	684 60	12
Wheelers.....	2	323	2 03	655 69	12

STONE (CUT, SAWED AND ARTIFICIAL)—10 ESTABLISHMENTS.

Blacksmiths.....	3	249	2 58	642 42	10
Blasters.....	2	234	1 50	351 00	10
Drill hands.....	2	252	2 25	567 00	9.5
Engineers.....	17	241	2 25	542 25	10
Finishers.....	5	300	1 50	450 00	10
Firemen.....	7	238	1 46	347 48	10

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

STONE (CUT, SAWED AND ARTIFICIAL)—10 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Foreman.....	3	241	\$2 63	\$693 83	10
Laborers.....	151	234	1 38	322 92	10
Machine hand.....	1	305	3 00	915 00	10
Machinist.....	1	200	2 00	400 00	9
Quarrymen.....	69	229	1 81	414 49	10
Sawyer.....	1	300	1 75	525 00	10
Stone cutters.....	11	290	3 34	968 60	10
Strippers.....	14	305	1 60	488 00	10
Teamsters.....	3	234	1 25	292 50	10
Turners.....	5	289	1 80	520 20	10
Wood workers.....	2	300	1 50	450 00	10

STOVES, RANGES AND FURNACES—7 ESTABLISHMENTS.

Apprentices.....	16	309	1 44	444 96	9
Blacksmiths.....	2	300	2 00	600 00	10
Carpenters.....	7	290	2 25	652 50	9
Cupola tender.....	1	300	1 00	300 00	10
Engineer.....	1	300	1 50	450 00	10
Finishers.....	6	290	1 75	507 50	9
Furnace fitters.....	2	290	1 40	406 00	10
Grinders.....	6	290	1 35	391 50	9
Installers.....	6	300	1 71	513 00	10
Laborers.....	57	294	1 57	461 58	9.4
Machinist.....	1	310	2 25	697 50	9
Molders.....	62	292	3 22	930 24	8.3
Mounters.....	17	292	2 18	636 56	9.3
Pattern makers.....	2	290	3 50	1,015 00	10
Polishers.....	8	290	2 25	625 50	9
Sheet metal workers.....	20	290	2 00	580 00	10
Stove makers.....	29	306	1 67	501 02	10
Tinners.....	10	296	2 03	600 88	9.2

STRAWBOARDS AND PAPER—19 ESTABLISHMENTS.

Acid man.....	1	280	1 75	490 00	10
Back tenders.....	12	204	1 71	348 84	11.6
Beater men.....	33	280	1 95	546 00	11.5
Beater men's helpers.....	39	276	1 45	400 20	11.8
Bleachers.....	7	287	1 39	398 93	10
Box makers.....	11	295	1 67	492 65	9.9
Calendar men.....	5	298	1 99	593 02	9
Carpenters.....	3	306	2 25	688 50	10
Compositors.....	5	280	1 80	504 00	10
Counter.....	1	286	1 33	380 38	10
Cutters.....	11	285	1 55	441 75	10.2
Cutters (boys).....	29	286	94	268 84	10.5
Dryer men.....	5	280	2 00	560 00	10
Engineers.....	28	271	2 22	601 62	11.2
Finishers.....	46	289	1 71	491 19	9.7
Firemen.....	43	281	1 78	400 18	11.4
Firemen's helpers.....	4	268	1 42	380 56	11
Foremen.....	2	222	2 75	610 50	11
Glazier.....	1	196	1 35	264 60	10
Laborers.....	246	275	1 55	426 25	10.5
Lay-off hands (boys).....	2	205	90	184 50	12
Loft men.....	12	306	1 79	547 74	8
Machine tenders.....	66	260	2 34	608 40	11.1
Machine tenders' helpers.....	22	289	1 56	450 84	10.8
Machinists.....	31	299	2 39	714 61	10
Millwrights.....	10	272	2 17	590 24	10.7
Note paper workers.....	12	305	1 80	549 00	10
Oilers.....	2	250	2 00	500 00	12
Packers.....	7	280	1 60	448 00	10
Paper coaters.....	11	266	1 88	500 08	10.9
Paper mill hands.....	308	249	1 75	435 75	10.2

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

STRAWBOARDS AND PAPER—19 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pipe fitter.....	1	301	\$1 75	\$526 75	10
Porters.....	1	306	1 25	382 50	11
Pressmen.....	3	297	1 57	466 29	10
Pulp mill hands.....	56	305	1 75	533 75	10
Rag engineers.....	4	306	2 50	735 00	10.5
Rag engineers' helpers.....	4	306	1 67	511 02	10.5
Re-winders.....	2	310	1 25	387 50	12
Rotary tenders.....	3	284	1 72	488 48	9.3
Rotary tenders' helpers.....	1	240	1 50	360 00	10
Ruler.....	1	306	3 00	918 00	9
Shippers.....	12	300	1 67	501 00	10
Still hands.....	2	301	3 06	921 06	10
Super-calender men.....	4	310	1 77	548 70	12
Tablet makers.....	34	305	1 75	533 75	10
Teamsters.....	23	285	1 46	416 10	10
Teamsters (with team).....	2	253	2 50	632 50	10
Trimmers.....	3	306	2 39	731 34	9.6
Tub house men.....	2	196	1 50	294 00	10
Warehouse men.....	10	301	1 50	451 50	10
Watchmen.....	6	270	1 77	477 90	12
Winder men.....	5	292	1 49	435 08	10.8

TINWARE, SHEET-IRON AND GALVANIZED IRON WARE—11 ESTABLISHMENTS.

Burners.....	2	234	1 50	351 00	10
Carpenters.....	2	266	1 55	412 30	9.5
Draymen.....	2	308	1 40	431 20	10
Engineers.....	2	234	1 50	351 00	10
Galvanizers.....	5	240	1 25	300 00	10
Helpers.....	2	234	1 25	292 50	10
Labelers.....	4	299	1 15	343 85	10
Laborers.....	25	301	1 38	415 38	10
Machine hand.....	1	240	1 50	360 00	10
Machinists.....	2	229	3 00	687 00	9.7
Metal workers.....	35	225	2 00	450 00	9
Packers.....	4	299	1 15	343 85	10
Painters.....	2	265	1 62	429 30	9.5
Picklers.....	2	234	1 25	292 50	19
Pressmen.....	7	290	1 37	397 30	10
Sawyer.....	1	299	1 50	448 50	10
Sheet metal workers.....	3	27	1 50	40 50	10
Shipper.....	1	300	1 75	525 00	10
Solderers.....	15	299	1 25	373 75	10
Testers.....	5	272	1 80	480 00	9.4
Tinners.....	15	296	2 03	600 88	10
Tinners' assistant.....	1	240	2 00	480 00	10

TOBACCO (CHEWING AND SMOKING)—3 ESTABLISHMENTS.

Casers.....	135	304	1 40	425 60	10
Laborer.....	1	90	1 35	121 50	10
Re-handlers.....	22	250	1 00	250 00	10

TOOLS—5 ESTABLISHMENTS.

Blacksmiths.....	2	300	3 50	1,050 00	10
Blacksmiths' helpers.....	2	300	2 00	600 00	10
Engineers.....	3	293	1 97	577 21	9.6
Fitters-up.....	33	288	1 15	331 20	10
Forgers.....	37	286	1 80	514 80	9.2
Grinders.....	11	279	1 35	376 65	9
Hammer man.....	1	300	2 00	600 00	10
Handle maker.....	1	252	1 64	413 28	10
Machinists.....	19	272	2 41	655 52	9.1
Packers.....	2	279	1 50	418 50	9
Polishers.....	45	289	2 43	703 27	10

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

TOOLS—5 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Temperer.....	1	279	\$2 26	\$630 54	9
Tool makers.....	11	288	2 25	648 00	10
Watchman.....	1	252	1 25	315 00	10
Wood workers.....	4	288	1 50	432 00	10

WHIPS—3 ESTABLISHMENTS.

Engineer.....	1	238	1 50	357 00	10
Finishers.....	12	236	1 00	236 00	10
Painters.....	7	238	1 40	333 20	10
Platters.....	3	238	65	153 70	10
Shipping clerk.....	1	238	1 50	357 00	10
Stock makers.....	12	236	1 50	354 00	10
Trimmers.....	3	238	65	154 70	10
Watchman.....	1	238	1 50	357 00	10
Whip makers.....	11	288	1 56	459 28	10
Wood worker.....	1	238	1 50	357 00	10

WIRE RODS, WIRE CLOTH AND WIRE GOODS—4 ESTABLISHMENTS.

Blacksmith.....	1	300	2 00	600 00	10
Coilers.....	2	216	1 50	324 00	10
Foremen.....	6	172	2 75	473 00	10
Janitor.....	1	300	47	141 00	10
Laborers.....	16	202	1 50	303 00	10
Laborers (boys).....	16	202	50	101 00	10
Machine operators.....	5	266	1 55	412 30	10
Machinist.....	1	300	1 66	498 00	10
Pattern maker.....	1	300	1 50	450 00	10
Straightener.....	1	133	2 00	266 00	10
Winder.....	1	300	1 67	501 00	10

MISCELLANEOUS—51 ESTABLISHMENTS.

Apprentice.....	1	350	1 35	472 50	9
Arch builders.....	2	310	1 75	542 50	10
Bailer.....	1	24	1 50	36 00	10
Belter.....	1	110	75	82 50	9.5
Blacksmiths.....	2	300	1 87	561 00	10
Boiler maker.....	3	315	3 00	945 00	9
Box makers.....	3	105	1 50	157 50	10
Brass molders.....	3	245	2 75	673 75	10
Brass workers.....	54	300	2 10	630 00	10
Bucket maker.....	1	310	1 50	465 00	10
Buffers.....	3	205	2 16	442 80	9
Cabinet makers.....	3	245	1 80	441 00	10
Cadders.....	12	299	1 72	514 28	9.6
Carpenters.....	10	284	2 03	576 52	9.9
Carters.....	2	350	1 60	560 00	10
Carvers.....	2	245	1 75	418 75	10
Coal handlers.....	2	105	1 50	157 50	10
Coke drawers.....	26	350	1 42	497 00	10
Coke fillers.....	8	350	1 85	647 50	12
Compositors.....	2	306	1 67	511 02	10
Compounder.....	1	306	1 66	507 96	10
Compounder's assistant.....	1	306	1 50	459 00	10
Core makers.....	13	295	1 76	519 20	10
Crayon packers.....	2	200	1 25	250 00	8
Cutters.....	20	278	1 57	436 46	10
Cut off.....	1	24	1 35	32 40	10
Engineers.....	16	228	2 09	476 52	10.4
Etcher's helper.....	1	295	75	221 25	10
Feed handlers.....	2	105	1 50	157 50	10
Finishers.....	4	247	1 87	461 89	9.6
Firemen.....	9	194	1 74	337 56	9.6
Foremen.....	17	285	2 56	729 60	9.5

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

MISCELLANEOUS—51 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Forger.....	1	295	\$2 25	\$ 663 75	10
Frame maker.....	1	306	1 25	382 50	10
Gilder.....	1	306	3 00	918 00	10
Grinders.....	15	235	1 82	420 70	10
Gum maker.....	1	290	1 50	435 00	9
Handle maker.....	1	306	1 50	459 00	10
Handler.....	1	295	1 25	368 75	10
Handler's helpers.....	2	295	75	221 25	10
Heel builders.....	8	306	1 25	382 50	10
Helpers.....	3	300	1 75	525 00	10
Hostlers.....	2	297	1 56	463 32	10
Laborers.....	369	273	1 29	352 17	9.5
Lapper hands.....	10	299	1 72	342 28	9.6
Macaroni makers.....	14	280	1 65	462 00	10
Machine hands.....	5	215	1 64	352 60	10
Machine operators.....	3	285	1 40	399 00	10
Machine operator (boy).....	1	295	75	221 25	10
Machinists.....	20	285	2 63	749 55	9.6
Mason.....	1	350	3 50	1,225 00	10
Mattress regulators.....	29	299	2 20	657 80	10
Mechanics.....	3	99	1 81	179 19	9.2
Millers.....	2	105	2 16	226 80	10
Molders.....	32	252	1 96	493 92	9.4
Oven fillers.....	3	350	1 85	647 50	10
Packers.....	8	233	1 65	384 45	9.7
Packers' helpers.....	1	295	75	221 25	10
Paddlers.....	3	105	1 50	157 50	10
Painters.....	4	307	1 81	555 67	10
Pattern makers.....	2	300	2 12	636 00	10
Plater.....	1	245	2 12	519 40	10
Plumber.....	1	350	3 00	1,050 00	9
Polishers.....	10	270	2 75	742 50	10
Pressmen.....	1	295	1 40	413 00	10
Pippers.....	2	110	2 00	220 00	9
Roller.....	1	290	1 50	435 00	9
Sander.....	1	295	1 50	442 50	10
Sawyers.....	17	272	1 57	427 04	9.9
Scrapers.....	24	105	1 46	153 30	11
Sewer.....	1	300	83	249 00	11
Shakers.....	2	105	1 58	165 90	10
Shippers.....	20	105	1 50	157 50	10
Shipping clerk.....	1	306	2 00	612 00	10
Spinners.....	3	205	2 75	563 75	9
Steepers.....	2	105	1 50	157 50	10
Teamsters.....	5	282	1 76	496 32	10.2
Temperer.....	1	295	2 00	590 00	10
Temperer's helper.....	1	295	1 40	413 00	10
Tinners.....	3	310	2 25	697 50	10
Tool makers.....	3	300	2 32	696 00	10
Trimmers.....	4	300	1 55	465 00	10
Turners.....	2	110	1 30	143 00	10
Varnishers.....	12	251	1 64	411 64	10
Washers.....	18	105	1 50	157 50	10
Watchmen.....	5	249	1 61	400 89	10
Weaver.....	7	285	1 40	399 00	10
Wood workers.....	24	276	1 63	449 88	10

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

ADVERTISING NOVELTIES AND SIGNS—2 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Feeders.....	4	292	\$0 65	\$189 80	10
Laborers.....	7	294	57	167 58	10

AGRICULTURAL IMPLEMENTS—1 ESTABLISHMENT.

Painters.....	5	298	1 10	327 80	10
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BASKETS—3 ESTABLISHMENTS.

Basket makers.....	31	235	85	199 75	8.5
Laborers.....	4	300	50	150 00	10
Nailers.....	4	127	1 00	127 00	7

BILLIARD TABLES, BAR AND STORE FIXTURES—2 ESTABLISHMENTS.

Laborer.....	1	312	60	187 20	10
Varnisher.....	1	300	1 00	300 00	10

BOOTS AND SHOES—3 ESTABLISHMENTS.

Fitters.....	20	288	56	161 28	9.8
Packers.....	12	291	37	107 67	10
Shoemakers.....	20	262	66	172 92	10

BOXES (WOODEN)—5 ESTABLISHMENTS.

Box makers.....	6	250	75	187 50	9
Finishers.....	8	136	75	102 00	10
Glueers.....	2	136	25	34 50	7
Laborers.....	14	285	1 00	285 00	10
Paster.....	1	280	70	196 00	8
Trimmers.....	7	250	75	187 50	9

BREAD AND OTHER BAKERY PRODUCTS—15 ESTABLISHMENTS.

Bakers.....	2	313	33	103 29	9
Cook.....	1	313	1 00	313 00	8
Dishwasher.....	1	313	50	156 50	8
Laborers.....	2	310	63	195 30	10
Pretzel rollers.....	7	250	70	175 00	9
Saleswomen.....	9	299	81	242 19	10.8

BRICK AND TILE—3 ESTABLISHMENTS.

Laborer.....	1	42	1 25	52 50	10
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BROOMS AND BRUSHES—3 ESTABLISHMENTS.

Assorters.....	5	256	63	161 28	10
Broom maker.....	1	300	50	150 00	8

CANNED GOODS—20 ESTABLISHMENTS.

Canners.....	140	56	1 15	64 40	8.2
Laborers.....	370	78	86	65 08	9.8
Peelers.....	37	116	67	100 92	9.3
Silkers.....	21	32	1 00	32 00	10

CARRIAGES AND WAGONS—8 ESTABLISHMENTS.

Machine operators.....	5	300	1 00	300 00	10
Trimmers.....	9	287	79	226 73	9.7
Trimmers' helpers.....	13	266	98	260 68	10

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

CIGARS—43 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentice.....	1	266	\$ 50	\$133 00	8
Bunch breakers.....	39	236	86	202 96	8.4
Cigar makers.....	69	274	79	196 46	8.7
Fillers.....	2	280	90	252 00	10
Janitress.....	1	225	1 00	225 00	10
Packers.....	13	286	80	228 80	8.7
Rollers.....	32	235	95	223 25	9
Stemmers.....	7	241	65	156 65	9.4
Stogie makers.....	12	294	71	208 74	9.8
Strippers.....	70	274	54	147 96	8.6

CLOTHING—74 ESTABLISHMENTS.

Apprentices.....	3	292	86	251 12	10
Forewomen.....	4	274	1 09	298 66	10
Inspector.....	1	250	83	207 50	10
Laborers.....	3	295	67	197 65	9
Machine operators.....	162	280	81	226 80	8.5
Pant makers.....	46	293	1 00	293 00	9.2
Presser.....	1	250	75	187 50	10
Seamstresses.....	102	278	74	205 72	9.6
Tailoresses.....	69	276	1 07	295 32	9.3
Vest makers.....	37	293	1 00	293 00	9.7

COFFEE, BAKING POWDER AND SPICES—2 ESTABLISHMENTS.

Labelers.....	3	210	1 50	315 00	9
Packers.....	2	24	80	19 20	8

CONFECTIONERY—2 ESTABLISHMENTS.

Helpers.....	2	210	50	105 00	10
Wrappers.....	3	182	75	136 50	10

COOPERAGE—1 ESTABLISHMENT.

Laborer.....	1	170	1 00	170 00	10
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COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—13 ESTABLISHMENTS.

Burlers.....	2	300	55	165 00	10
Carders.....	7	294	58	170 52	10
Cutters.....	7	306	1 00	306 00	10
Finishers.....	134	299	1 00	299 00	10
Folders.....	2	300	70	210 00	10
Handsewers.....	3	297	1 15	341 55	10
Helper.....	1	245	60	147 00	10
Knitters.....	179	282	69	194 58	10
Machine operators.....	6	200	52	104 00	10
Menders.....	8	300	67	201 00	10
Napper.....	1	300	65	195 00	10
Packers.....	6	300	85	255 00	10
Speckers.....	11	297	94	279 18	10
Spoolers.....	50	302	87	262 74	9
Warpers.....	6	292	52	151 84	10
Weavers.....	38	294	1 17	343 98	10
Winders.....	7	303	83	251 49	10

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—5 ESTABLISHMENTS.

Advertising department hands.....	63	310	1 38	427 80	9
Factory hands.....	7	310	1 00	310 00	8.5
Finishers.....	2	304	50	152 00	7.5
Laborers.....	22	303	1 25	378 75	9.8
Wrapper.....	1	216	49	105 88	7

TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

ELECTRICAL GOODS AND SUPPLIES—4 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Carbon workers.....	24	292	\$ 97	\$283 24	10
Laborers.....	80	250	1 50	375 00	10
Decorators.....	3	283	1 00	283 00	8
Finishers.....	42	281	1 19	334 39	10
Glass workers.....	32	292	1 16	338 72	10
Pump room hands.....	14	292	1 10	321 20	10

EXTRACTS, TOILET ARTICLES AND PERFUMERY—1 ESTABLISHMENT.

Labeler.....	1	75	50	37 50	10
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FIREWORKS—2 ESTABLISHMENTS.

Case makers.....	25	284	90	255 60	9.2
Finishers.....	46	280	77	215 60	9.3

FLOURING MILL PRODUCTS—1 ESTABLISHMENT.

Miller.....	1	365	1 40	511 00	10
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FURNITURE—9 ESTABLISHMENTS.

Assemblers.....	7	297	60	178 20	7
Laborers.....	3	40	1 00	40 00	10
Chair caners.....	4	254	1 41	358 14	10
Finishers.....	3	281	1 75	491 75	8
Laborers.....	6	270	50	135 00	10
Lacquerers.....	1	300	1 00	300 00	10
Packers.....	2	306	1 10	336 60	10
Wrappers.....	2	208	1 00	208 00	10

GLASS AND GLASSWARE—3 ESTABLISHMENTS.

Assorters.....	11	270	80	216 00	9.5
Fillers.....	8	262	90	235 80	10
Grinders.....	14	262	75	196 50	10
Selectors.....	11	241	67	161 47	10
Shippers.....	9	241	67	161 47	10

GLOVES AND MITTENS—2 ESTABLISHMENTS.

Bench hands.....	10	250	50	125 00	10
Machine operators.....	80	295	75	221 25	10

HANDLES—1 ESTABLISHMENT.

Laborer.....	1	290	75	217 50	10
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HARDWARE—3 ESTABLISHMENTS.

Laborers.....	24	292	78	277 76	9.6
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HARNESS AND SADDLERY—4 ESTABLISHMENT.

Halter makers.....	3	300	65	195 00	7.5
Machine operators.....	365	166	03	170 98	10
Riveters.....	40	156	80	124 80	10
Seamstresses.....	100	156	80	124 80	10
Turners.....	36	156	50	78 00	10
Tyers.....	36	156	60	93 60	10

LIQUORS (DISTILLED)—1 ESTABLISHMENT.

Bottlers.....	3	204	60	122 40	10
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TABLE IV_g—MANUFACTURES—VILLAGES—Continued.

MACHINERY—1 ESTABLISHMENT.

Occupation—Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Helpers.....	12	303	\$ 75	\$217 25	9.6

MATCHES—2 ESTABLISHMENTS.

Box makers.....	177	300	99	297 00	10
Laborers.....	4	300	1 12	336 00	10
Match makers.....	2	300	99	297 00	10
Packers.....	75	275	75	206 25	10

PAINTS AND VARNISHES—1 ESTABLISHMENT.

Packers.....	5	300	1 00	300 00	10
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PIANOS AND OTHER MUSICAL INSTRUMENTS—1 ESTABLISHMENT.

Bellows makers.....	3	300	70	210 00	10
Decorators.....	2	300	75	225 00	10
Metal workers.....	2	300	66	198 00	10

PICKLES, PRESERVES AND SAUCES—4 ESTABLISHMENTS.

Fillers.....	3	94	1 00	94 00	10
Laborers.....	95	121	99	119 79	10
Peelers.....	47	94	1 00	94 00	10
Time keepers.....	2	94	1 00	94 00	10

POTTERY AND STONEWARE—21 ESTABLISHMENTS.

Bisque brushers.....	20	299	83	248 17	8.6
Bisque warehouse hands.....	19	295	95	280 25	9
Carriers.....	2	50	1 00	50 00	9
Clay workers.....	36	298	96	286 08	9
Decorators.....	370	298	1 16	345 68	9
Dippers.....	7	291	96	279 36	8.4
Drawers.....	22	292	91	265 72	8.2
Fettlers.....	2	295	90	265 50	10
Finishers.....	6	239	70	167 30	10
Glaziers.....	4	271	1 06	287 26	10
Glaziers' assistant.....	1	221	75	165 75	8
Glost warehouse hands.....	16	292	1 00	292 00	9
Helpers.....	12	287	83	238 21	9.9
Laborers.....	28	302	74	223 48	10
Mold carriers.....	3	220	91	200 20	9.5
Tube headers.....	15	239	75	179 25	10
Turners.....	5	239	75	179 25	10
Ware dressers.....	21	293	91	266 63	8.8

PRINTING AND BINDING—103 ESTABLISHMENTS.

Apprentices.....	7	312	51	159 12	9.4
Binders.....	12	303	1 01	306 03	9.2
Compositors.....	164	283	82	232 06	8.9
Folders.....	3	316	67	211 72	9.3
Laborers.....	3	302	83	250 66	9
Linotype operators.....	3	309	2 22	685 98	8.5
Press feeder.....	1	310	60	186 00	10
Proof readers.....	2	306	1 37	419 22	8.5
Reporters.....	3	304	1 50	456 00	9
Stencil maker.....	1	300	90	270 00	9
Wax workers.....	3	300	85	255 00	10
Wig maker.....	1	240	83	199 20	8

PUMPS AND WATER WHEELS—1 ESTABLISHMENT.

Laborer.....	1	250	1 50	375 00	10
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TABLE IV_g—MANUFACTURES—VILLAGES—Concluded.

RUBBER GOODS—5 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Cutter.....	1	265	\$1 00	\$265 00	10
Fitter.....	1	265	1 00	265 00	10
Hand workers.....	17	283	1 70	198 10	9.5
Inspectors.....	3	283	1 15	325 45	9.5
Laborers.....	6	250	1 80	200 00	10
Menders.....	2	264	1 20	316 80	10
Packer.....	1	265	1 25	331 25	10
Rubber workers.....	32	301	1 00	301 00	10
Takers-off.....	2	264	1 90	237 60	10
Vulcanizers.....	2	265	1 25	331 25	10

SALT—2 ESTABLISHMENTS.

Laborers.....	10	300	1 00	300 00	10
Packers.....	16	365	1 50	547 50	10

STRAWBOARDS AND PAPER—12 ESTABLISHMENTS.

Box makers.....	15	300	99	297 00	10
Counters.....	11	294	91	267 54	9.4
Cutters.....	12	295	81	238 95	10
Finishers.....	54	300	1 07	321 00	9
Laborers.....	6	246	90	221 40	11
Lay-off hands.....	1	205	90	184 50	12
Machine operators.....	51	286	1 05	300 30	10
Paper mill hands.....	125	305	85	259 25	10
Sorters.....	91	300	88	264 00	8.2
Tablet makers.....	27	305	85	259 25	10

TINWARE, SHEET-IRON AND GALVANIZED-IRON WARE—1 ESTABLISHMENT.

Dippers.....	8	234	75	175 50	10
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TOBACCO (CHEWING AND SMOKING)—2 ESTABLISHMENTS.

Rehandlers.....	4	250	75	187 50	10
Spriggers.....	130	304	63	198 52	10

TOOLS—1 ESTABLISHMENT.

Wood workers.....	2	288	90	259 20	10
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WHIPS—3 ESTABLISHMENTS.

Finishers.....	12	236	75	177 00	10
Platters.....	10	238	65	157 70	10
Trimmers.....	3	238	65	154 70	10
Whip makers.....	11	288	67	192 96	10

MISCELLANEOUS—20 ESTABLISHMENTS.

Box makers.....	6	300	83	249 00	9
Breaders.....	5	105	1 00	105 00	10
Brush makers.....	3	283	1 00	283 00	10
Crayon packers.....	2	200	1 00	200 00	10
Etcher.....	1	295	1 00	295 00	10
Finisher.....	1	283	66	186 78	10
Forewoman.....	1	306	1 50	459 00	10
Heel builders.....	4	306	1 00	306 00	10
Laborers.....	38	248	93	231 64	9.8
Machine operators.....	23	297	1 12	332 64	9.6
Nailer.....	1	283	92	260 36	10
Packer.....	8	280	67	187 60	10
Robe maker.....	1	300	1 20	360 00	10
Rollers.....	3	306	58	177 48	10
Seamstresses.....	69	305	1 11	338 55	9.8
Shippers.....	5	306	75	229 50	10
Weaver.....	3	285	75	213 75	
Wrappers.....	34	299	76	227 24	

TABLE IV_{gg}—MANUFACTURES—VILLAGES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Brick and tile.	Elevator man.	1	25	
" " "	Engineers.	21	10.4	
" " "	Firemen.	23	11.2	
" " "	Foremen.	5	11	
" " "	Foremen's assistant.	1	12.5	
" " "	Helpers.	2	10	
" " "	Hostler.	1	10	
" " "	Kiln hands.	5	8	
" " "	Laborers.	602	10.9	
" " "	Loaders.	28	15.8	
" " "	Machine hands.	20	9.3	
" " "	Machinists.	10	11	
" " "	Miners.	43	5.2	
" " "	Mixer.	1	15	
" " "	Molders.	31	11.6	
" " "	Offleavers.	14	12.1	
" " "	Pilers.	2	7.5	
" " "	Pitchers.	4	12	
" " "	Pressmen.	19	10.9	
" " "	Pressmen's helpers.	2	10	
" " "	Repairers.	5	18.8	
" " "	Screen tenders.	5	11	
" " "	Setters.	30	15.8	
" " "	Shaders.	2	10	
" " "	Shovelers.	21	6.5	
" " "	Strikers.	1	6.6	
" " "	Teamsters.	15	9.2	
" " "	Temperers.	3	7.8	
" " "	Temperers' helper.	1	12	
" " "	Tile makers.	20	16.5	
" " "	Tossers.	2	7.5	
" " "	Transfer man.	1	7.5	
" " "	Trimmers.	3	8	
" " "	Truckers.	19	9.2	
" " "	Watchman.	1	10	
" " "	Weighmaster.	1	10	
" " "	Wheeler.	98	13.4	
" " "	Woodworkers.	10	5	
Brooms and brushes.	Tyer's assistant.	1	25	
Canned goods.	Engineer.	1	12.5	
" " "	Huskers.	20	6	
" " "	Laborers.	75	11.9	
" " "	Machine hands.	10	25	
Carriages and wagons.	Blacksmiths.	2	10	
" " "	Blacksmiths.	8	7.3	
" " "	Blacksmiths' helpers.	2	8.2	
" " "	Body makers.	7	4.2	
" " "	Craters.	4	2	
" " "	Machinist.	1	10	
" " "	Painters.	1	10	
" " "	Painters.	8	9.6	
" " "	Painters' helpers.	2	4	
" " "	Trimmers.	7	1.5	
" " "	Trimmers.	6	7.5	
" " "	Wood workers.	1	10	
" " "	Wood workers.	5	5.7	
Carriage and wagon material.	Benders.	10	10	
" " "	Engineer.	1	6	
" " "	Foremen.	2	17	
" " "	Inspector.	1	10	
" " "	Wheel makers.	123	2.5	
" " "	Wood workers.	16	10	
Car and car furnishings.	Blacksmiths.	6	5	
" " "	Car builders.	105	5	
" " "	Carpenters.	20	5	
" " "	Laborers.	29	5	
" " "	Machinists.	5	5	
" " "	Mill hands.	5	5	
" " "	Painters.	30	5	
Churns.	Handle turner.	1	10	
" " "	Machine hands.	6	9	

TABLE IV_{gg}—MANUFACTURES—VILLAGES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Churns.....	Teamster.....	1	10	.....
Cigars.....	Cigar makers.....	2	30	.....
.....	Stogie makers.....	13	9.5	.....
Clothing.....	Coat makers.....	3	25	.....
.....	Cutters.....	2	25	.....
.....	Packers.....	1	25	.....
.....	Tailors.....	2	10	.....
Confectionery.....	Ice cream maker.....	2	15	.....
Cooperage.....	Coilers.....	2	10	.....
.....	Coilers' helper.....	1	8	.....
.....	Coopers.....	5	10	.....
.....	Culler.....	1	25	.....
.....	Cutters.....	1	15	.....
.....	Edger.....	1	8	.....
.....	Firemen.....	3	10.5	.....
.....	Laborers.....	116	12.6	.....
.....	Lappers.....	2	10	.....
.....	Lappers' helper.....	1	22	.....
.....	Log man.....	1	8	.....
.....	Machine hands.....	18	20	.....
.....	Planers.....	5	16	.....
.....	Planer (boy).....	1	20	.....
.....	Pointer.....	1	25	.....
.....	Pullers.....	2	6	.....
.....	Sawyers.....	5	13.2	.....
.....	Setter.....	1	8	.....
.....	Teamsters.....	17	9.7	.....
.....	Watchmen.....	2	6.5	.....
.....	Yardmen.....	2	8	.....
Cotton & woolen goods (knit & woven).....	Engineer.....	1	9	.....
.....	Loom boss.....	1	5	.....
Dairy products.....	Butter makers.....	13	11.2	.....
.....	Creamery helpers.....	4	18.3	.....
.....	Driver.....	1	20	.....
.....	Ice cream maker.....	11	2.4	.....
.....	Skim station operators.....	11	10	.....
.....	Teamsters.....	15	9.4	.....
Drugs, chemicals & druggists' sundries.....	Bottle washer.....	1	14	.....
.....	Laborers.....	28	12	.....
.....	Case makers.....	15	8.3	.....
.....	Finishers.....	16	8.3	.....
Fireworks.....	Apprentice.....	1	1	.....
.....	Elevator man.....	1	16.7	.....
.....	Engineer.....	1	.....	33.3
.....	Engineers.....	18	14.2	.....
.....	Firemen.....	2	15	.....
.....	Floorman.....	6	7	.....
.....	Laborers.....	33	11.5	.....
.....	Miller.....	1	.....	12.5
.....	Millers.....	29	11.7	.....
.....	Packers.....	8	9.6	.....
.....	Teamsters.....	14	17	.....
.....	Blacksmith.....	1	25	.....
Foundry and machine shop products.....	Laborers.....	4	.....	11.2
.....	Laborers.....	14	7	.....
.....	Machinists.....	16	13.8	.....
.....	Molders.....	13	10	.....
.....	Sheet-iron workers.....	5	5	.....
Furniture.....	Apprentices.....	5	10	.....
.....	Bench hands.....	12	10	.....
.....	Cabinet makers.....	42	9	.....
.....	Engineers.....	5	10	.....
.....	Finishers.....	36	7.3	.....
.....	Foremen.....	2	14	.....
.....	Gluers.....	4	5	.....
.....	Laborers.....	25	10	.....
.....	Machine hands.....	156	10	.....
.....	Machine hands' assistants.....	9	13.7	.....
.....	Packers.....	16	9.2	.....
.....	Polishers.....	4	5	.....
.....	Sanders.....	8	10	.....

TABLE IV_{gg}—MANUFACTURES—VILLAGES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Furniture.....	Sawyers.....	2	7.5	.....
"	Teamsters.....	2	8.5	.....
"	Teamsters (with team).....	15	.....	.....
"	Upholsterers.....	2	12.9	.....
"	Varnishers.....	9	5.5	.....
Gas and electricity.....	Apprentice.....	1	50	.....
"	Electrician.....	1	5	.....
"	Engineers.....	2	.....	10
"	Engineers.....	17	8.9	.....
"	Firemen.....	7	13.5	.....
"	Foreman.....	1	4	.....
"	Gas makers.....	2	5	.....
"	Helpers.....	1	40	.....
"	Lineman.....	1	10	.....
"	Trimmer.....	1	10	.....
Glass and glassware.....	Bricklayers.....	24	7.3	.....
"	Electrical d-pt. employes.....	5	2.8	.....
"	Engineers.....	10	8.1	.....
"	Gas producers.....	26	.....	1.2
"	Glass workers.....	85	10	.....
"	Mixers.....	5	1.3	.....
"	Packers.....	11	3.2	.....
"	Plaster mill employes.....	3	16.4	.....
"	Pottery employes.....	29	14.4	.....
Handles.....	Engineer.....	1	11	.....
"	Finishers.....	11	5.6	.....
"	Laborers.....	50	8.9	.....
"	Packers.....	2	5	.....
"	Sanders.....	5	5	.....
"	Sawyers.....	12	9.8	.....
"	Shavers.....	8	8	.....
"	Turners.....	11	9	.....
Harness and saddlery.....	Benders.....	4	12	.....
"	Foreman.....	1	33.3	.....
"	Harness makers.....	31	10	.....
"	Saddle makers.....	35	5	.....
Ice (artificial).....	Engineers.....	4	13.7	.....
"	Laborers.....	5	12	.....
"	Tank men.....	2	20	.....
Leather and leather goods.....	Teamsters.....	10	10	.....
Lime, sand, cement and plaster.....	Tanners.....	7	10	.....
"	Burners.....	8	10	.....
"	Drawers.....	2	10	.....
"	Driller.....	1	15	.....
"	Engineers.....	3	12.7	.....
"	Firemen.....	4	12.5	.....
"	Foreman.....	1	3.3	.....
"	Laborers.....	9	6.6	.....
"	Mill hands.....	54	5.9	.....
"	Mixer.....	1	10	.....
"	Quarrymen.....	88	8.5	.....
"	Warehouse men.....	12	10	.....
Liquors (distilled).....	Bottlers.....	3	5	.....
"	Cellar men.....	3	10	.....
"	Distiller.....	1	10	.....
"	Engineer.....	1	10	.....
"	Fermenters.....	5	10	.....
"	Fireman.....	1	10	.....
"	Helpers.....	6	10	.....
"	Yeast maker.....	1	10	.....
Machinery.....	Blacksmiths.....	12	24.7	.....
"	Blacksmiths' helpers.....	4	22.5	.....
"	Boiler makers.....	3	11	.....
"	Carpenters.....	6	15	.....
"	Core makers.....	3	85	.....
"	Engineers.....	2	10	.....
"	Erectors.....	3	10	.....
"	Fireman.....	1	16	.....
"	Laborers.....	42	10.3	.....
"	Machine hands.....	31	12.6	.....
"	Machine hands' helpers.....	3	10	.....

TABLE IV_{gg}—MANUFACTURES—VILLAGES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Machinery.....	Machinists.....	68	6.5	.....
".....	Machinists' apprentices.....	5	10	.....
".....	Molders.....	26	10.7	.....
".....	Molders' apprentices.....	4	40	.....
".....	Pattern maker.....	1	5	.....
".....	Painters.....	2	5	.....
".....	Watchman.....	1	15	.....
".....	Wood worker.....	1	25	.....
Marble and granite.....	Cutters.....	2	15	.....
Pickles, preserves and sauces.....	Foreman.....	1	10	.....
Pottery and stoneware.....	Burners.....	2	17	.....
".....	Clay workers.....	115	2	.....
".....	Decorators.....	10	5	.....
".....	Drawers.....	6	16.7	.....
".....	Engineers.....	6	17.7	.....
".....	Fireman.....	1	5	.....
".....	Jigger men.....	2	20	.....
".....	Jolly men.....	2	33.3	.....
".....	Laborers.....	27	11.2	.....
".....	Packers.....	2	25	.....
".....	Potters.....	10	10	.....
".....	Turners.....	2	20	.....
Printing and binding.....	Watchman.....	1	8.1	.....
".....	Apprentices.....	2	17.5	.....
".....	Compositors.....	31	13.3	.....
".....	Compositors.....	5	.....	18
".....	Engineer.....	1	5	.....
".....	Fireman.....	1	20	.....
".....	Foremen.....	6	18.5	.....
".....	Janitor.....	1	25	.....
".....	Laborers.....	13	10	.....
".....	Machinist.....	15	10	.....
".....	Shipping clerks.....	25	5	.....
".....	Tinners.....	11	10	.....
".....	Wax workers.....	88	8	.....
Pumps and water wheels.....	Core maker.....	1	12	.....
".....	Drillers (boys).....	3	.....	11
".....	Engineer.....	1	21	.....
".....	Laborers.....	8	4.3	.....
".....	Mechanics.....	5	10	.....
Rubber goods.....	Cutters.....	2	10	.....
".....	Laborers.....	2	10	.....
".....	Machine operators.....	2	10	.....
".....	Mill men.....	5	6.2	.....
".....	Pressmen.....	4	8	.....
".....	Weighers.....	2	6.2	.....
Salt.....	Ash hauler.....	1	10	.....
".....	Brine tenders.....	2	7.7	.....
".....	Carpenters.....	2	5	.....
".....	Engineers.....	2	16.7	.....
".....	Firemen.....	8	7.5	.....
".....	Laborers.....	1	25	.....
".....	Lifters.....	15	8	.....
".....	Miners.....	16	12.5	.....
".....	Teamsters.....	5	22.9	.....
".....	Watchman.....	1	8	.....
Sash, doors, lumber and interior finish.....	Apprentices.....	2	10	.....
".....	Carpenters.....	81	9.9	.....
".....	Engineers.....	5	13	.....
".....	Firemen.....	2	8.3	.....
".....	Foremen.....	4	10	.....
".....	Helpers.....	9	5	.....
".....	Laborers.....	54	11.7	.....
".....	Machine men.....	39	11.1	.....
".....	Machinists.....	14	11.5	.....
".....	Mill hands.....	31	14	.....
".....	Mill hands.....	118	.....	8.5
".....	Offbearers.....	2	20	.....
".....	Sawyers.....	6	11.6	.....
".....	Setters.....	2	14	.....
".....	Teamsters.....	98	14.7	.....

TABLE IV_{gg}—MANUFACTURES—VILLAGES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected
by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Sash, doors, lumber and interior finish...	Timber cutters.....	12	14.1	.....
" " " " " "	Turners.....	5	5	.....
" " " " " "	Varnishers.....	3	10	.....
" " " " " "	Watchman.....	1	10	.....
" " " " " "	Yardmen.....	6	10	.....
Slaughtering and meat packing.....	Butchers.....	18	9	.....
Soda and mineral waters.....	Bottle washer.....	1	20	.....
Steel, iron and tin	Bench men.....	136	14	.....
" " " " " "	Blacksmith.....	12	12	.....
" " " " " "	Blacksmith's helper.....	1	16.6	.....
" " " " " "	Blast tenders.....	2	12.8	.....
" " " " " "	Brick masons.....	8	3	.....
" " " " " "	Cagers.....	2	12.5	.....
" " " " " "	Carpenters.....	10	10.6	.....
" " " " " "	Cart men.....	3	12.5	.....
" " " " " "	Casthouse men.....	22	13.5	.....
" " " " " "	Chemist's assistants.....	2	16.3	.....
" " " " " "	Cinder men.....	19	13.2	.....
" " " " " "	Crib tender.....	1	6.2	.....
" " " " " "	Cutters.....	26	16.5	.....
" " " " " "	Engineers.....	10	9.5	.....
" " " " " "	Engineer.....	1	25	.....
" " " " " "	Fillers.....	65	12.5	.....
" " " " " "	Firemen.....	13	11.8	.....
" " " " " "	Foremen.....	19	6.5	.....
" " " " " "	Gin hand.....	1	10	.....
" " " " " "	Grader.....	1	10	.....
" " " " " "	Gutter men.....	12	9.5	.....
" " " " " "	Helpers.....	9	12.5	.....
" " " " " "	Keepers.....	8	11	.....
" " " " " "	Laborers.....	323	8.6	.....
" " " " " "	Limestone pounder.....	3	11.6	.....
" " " " " "	Loaders.....	4	12.5	.....
" " " " " "	Machinists.....	34	12.6	.....
" " " " " "	Machinists' helpers.....	1	16.6	.....
" " " " " "	Miners.....	34	10.3	.....
" " " " " "	Ore burner.....	1	10	.....
" " " " " "	Ore pounder.....	1	10	.....
" " " " " "	Piercers.....	25	6.6	.....
" " " " " "	Pipe fitters.....	6	13	.....
" " " " " "	Railway employes.....	8	13.8	.....
" " " " " "	Rollers.....	70	6.6	.....
" " " " " "	Setter.....	1	12.5	.....
" " " " " "	Stove tender.....	4	12.5	.....
" " " " " "	Teamsters.....	50	14.3	.....
Stone (cut, sawed and artificial).....	Blacksmiths.....	2	14	.....
" " " " " "	Cutters.....	5	20	.....
" " " " " "	Engineers.....	13	4.7	.....
" " " " " "	Firemen.....	2	5	.....
" " " " " "	Foreman.....	1	15	.....
" " " " " "	Quarrymen.....	31	8.9	.....
" " " " " "	Quarrymen.....	5	12.5	.....
" " " " " "	Sawyer.....	1	16.7	.....
" " " " " "	Wood workers.....	2	7	.....
Stoves, ranges and furnaces.....	Capenters.....	7	7.5	.....
" " " " " "	Furnace fitters.....	2	5	.....
" " " " " "	Molders.....	4	10	.....
" " " " " "	Molders.....	50	10	.....
" " " " " "	Mounters.....	12	10	.....
" " " " " "	Polishers.....	8	10	.....
" " " " " "	Sheet metal workers.....	20	10	.....
" " " " " "	Tinners.....	6	10	.....
Strawboards and paper.....	Back tenders.....	4	7	.....
" " " " " "	Beater men.....	8	8.8	.....
" " " " " "	Bleacher men.....	7	6	.....
" " " " " "	Box makers.....	6	4	.....
" " " " " "	Calender men.....	2	8	.....
" " " " " "	Compositors.....	7	4.7	.....
" " " " " "	Cutters (boys).....	6	13.6	.....
" " " " " "	Engineer.....	6	7.6	.....
" " " " " "	Finishers.....	6	10.8	.....

TABLE IV_{gg}—MANUFACTURES—VILLAGES—Concluded.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Female.	Number of employees.	Advanced per cent.	Reduced per cent.
Advertising novelties and signs.....	Feeders.....	4	20	.....
Boxes (wooden).....	Laborers.....	6	10	.....
Canned goods.....	Box finishers.....	10	50	.....
Carriages and wagons.....	Laborers.....	29	14.7	.....
Clothing.....	Silkers.....	21	11.1	.....
Cotton & woolen goods (knit & woven).....	Trimmers.....	3	.....	7
.....	Pant makers.....	2	25	.....
.....	Tailoresses.....	9	10.8	.....
.....	Burlers.....	2	10	.....
.....	Machine operator.....	1	.....	5
.....	Spinners.....	22	17.5	.....
.....	Spoolers.....	50	17.5	.....
.....	Warpers.....	1	7	.....
Drugs, chemicals & druggists' sundries.....	Weavers.....	25	44.5	.....
Fireworks.....	Advertising dept. hands.....	63	9	.....
Harness and saddlery.....	Laborers.....	7	7	.....
Pottery and stoneware.....	Case makers.....	15	8.3	.....
.....	Finishers.....	16	8.3	.....
.....	Laborers.....	25	5	.....
.....	Clay workers.....	15	3	.....
.....	Decorators.....	100	8.3	.....
.....	Drawers.....	9	15	.....
.....	Glazers.....	3	11.6	.....
.....	Laborers.....	5	10	.....
.....	Mold carrier.....	1	50	.....
Printing and binding.....	Binders.....	2	19.5	.....
.....	Compositors.....	34	22.3	.....
.....	Machine operator.....	1	15	.....
.....	Wax workers.....	3	10	.....
Rubber goods.....	Hand workers.....	17	16.7	.....
Salt.....	Inspectors.....	3	8	.....
Strawboards and paper.....	Packers.....	16	11.1	.....
.....	Cutters.....	3	20	.....
.....	Laborers.....	6	4	.....
.....	Note paper workers.....	16	10	.....
.....	Paper mill hands.....	42	10	.....
.....	Pulp mill hands.....	56	10	.....
.....	Tablet makers.....	34	10	.....
Tobacco (chewing and smoking).....	Laborer.....	1	8	.....
Whips.....	Finishers.....	12	20	.....
Miscellaneous.....	Whip workers.....	9	11.2	.....
.....	Laborers.....	43	4	.....
.....	Miscellaneous.....	8	1.5	.....
Totals and averages.....	.....	746	12.6	.....
.....	.....	4	.....	6.5

MANUFACTURES.

RECAPITULATION.

The following abstract shows the leading facts relative to the ten principal manufacturing industries from which returns have been received, for the year 1903, together with a comparison for the year 1902. The figures for 1902, with which the comparisons are made, are taken from the returns of that year as shown in the last report of this Bureau.

The table below gives the value of goods produced or manufactured for the years 1902 and 1903, showing increase or decrease, and also giving the number of establishments reporting each year, in each of the ten industries.

Industry.	No. establishments reporting.		Value of goods produced or manufactured.		Increase or decrease	
	1902	1903	1902	1903	Increase	Decrease.
Boilers, engines and tanks.....	100	126	\$19,830,924 23	\$23,040,835 70	\$3,209,911 47	.....
Boots and shoes.....	58	61	20,723,765 06	23,632,918 99	2,909,153 93	.....
Clothing.....	278	767	24,809,915 29	31,334,285 62	6,524,370 33	.....
Flouring mill products	199	381	28,881,057 57	33,708,729 73	4,827,672 16	.....
Foundry and machine shop products.....	269	334	51,092,639 83	56,808,781 49	5,716,141 66	.....
Liquors (malt and distilled).....	125	148	26,100,372 47	27,860,714 99	1,760,342 52	.....
Machinery.....	223	249	36,393,734 68	41,064,073 65	4,670,338 97	.....
Printing and binding..	375	640	12,775,762 57	15,694,229 01	2,918,466 44	.....
Sash, doors lumber and interior finish..	275	375	16,464,021 62	18,080,948 80	1,616,927 18	.....
Steel, iron and tin....	90	94	123,928,781 71	114,355,561 74	.....	\$9,573,219 97

Steel, iron and tin, measured by the value of goods manufactured, shows the largest volume of business for the year 1903. It also shows a decrease of over \$9,000,000 as compared with the year 1902.

All other lines of manufacture show a marked increase over the previous year.

The following table shows the amount of capital invested in grounds, buildings and machinery.

Industry.	No. establishments reporting.		Capital invested in grounds, buildings and machinery		Increase or decrease.	
	1902	1903	1902	1903	Increase.	Decrease.
Boilers, engines and tanks.....	100	126	\$11,032,421 00	\$14,396,156 00	\$3,363,735 00	.....
Boots and shoes.....	58	61	4,633,923 00	3,962,527 00	.....	\$671,396 00
Clothing.....	278	767	3,273,213 00	3,803,343 00	530,130 00	.....
Flouring mill products	199	381	5,308,672 00	6,478,132 00	1,169,460 00	.....
Foundry and machine shop products.....	269	334	18,910,873 00	20,264,119 00	1,353 246 00	.....
Liquors (malt and distilled).....	125	148	27,740,203 00	30,658,342 00	2,918,139 00	.....
Machinery.....	223	249	18,317,519 00	21,919,920 00	3,602,401 00	.....
Printing and binding..	375	640	11,730,542 00	13,980,798 00	2,250,256 00	.....
Sash, doors, lumber and interior finish..	275	375	5,168,212 00	6,144,393 00	976,181 00	.....
Steel, iron and tin....	90	94	39,628 909 00	43,460,013 00	3,831,104 00	.....

The following table shows amount paid for rent, taxes and insurance.

Industry.	No. establishments reporting.		Amount paid for rent, taxes and insurance.		Increase or decrease.	
	1902	1903	1902	1903	Increase.	Decrease.
Boilers, engines and tanks.....	100	126	\$191,395 96	\$272,077 87	\$80,681 91	.....
Boots and shoes.....	58	61	210,791 26	244,152 58	33,361 32	.....
Clothing.....	278	767	583,839 99	815,188 88	231,348 89	.....
Flouring mill products	199	381	246,009 95	301,269 54	55,259 59	.....
Foundry and machine shop products.....	269	334	467,219 69	541,311 10	74,091 41	.....
Liquors (malt and distilled).....	125	148	656,395 16	790,893 27	134,498 11	.....
Machinery.....	223	249	451,666 93	525,303 18	73,636 25	.....
Printing and binding..	375	640	412,870 92	529,586 83	116,715 91	.....
Sash, doors, lumber and interior finish..	275	375	331,315 54	401,537 93	70,222 39	.....
Steel, iron and tin....	90	94	609,047 50	735,151 62	126,104 12	.....

The following table shows the number of persons employed (monthly average) exclusive of salaried officials and office help.

Industry.	No. establishments reporting.		Total number persons employed.		Increase or decrease.	
	1902	1903	1902	1903	Increase.	Decrease.
Boilers, engines and tanks.....	100	126	10,800	12,480	1,680	.....
Boots and shoes.....	58	61	13,660	14,543	883	.....
Clothing.....	278	767	11,667	16,358	4,691	.....
Flouring mill products	199	381	2,522	3,012	490	.....
Foundry and machine shop products.....	269	334	27,217	30,890	3,673	.....
Liquors (malt and distilled).....	125	148	4,391	4,669	278	.....
Machinery.....	223	249	18,302	21,087	2,785	.....
Printing and binding..	275	640	8,614	10,641	2,027	.....
Sash, doors, lumber and interior finish..	275	375	7,188	8,086	898	.....
Steel, iron and tin.....	90	94	37,813	37,875	62	.....

The above figures include both sexes. The proportion of female operatives to that of male is shown to be greatest in the following industries: Boots and shoes has 8,699 male employes and 5,874 females; clothing, 6,385 male employes and 9,973 females; printing and binding, 7,182 male employes and 3,459 females.

The following table shows the amount paid in wages, exclusive of salaried officials, salesmen and office help.

Industry.	No. establishments reporting.		Amount paid in wages.		Increase or decrease.	
	1902	1903	1902	1903	Increase.	Decrease.
Boilers, engines and tanks.....	100	126	\$6,887,761 67	\$6,946,383 19	\$58,621 52	.....
Boots and shoes.....	58	61	4,593,602 58	5,073,942 43	480,339 85	.....
Clothing.....	278	767	5,147,906 29	7,415,504 92	2,267,598 63	.....
Flouring mill products	199	381	1,181,607 25	1,426,683 47	245,076 22	.....
Foundry and machine shop products.....	269	334	14,699,340 89	17,059,327 45	2,359,986 56	.....
Liquors (malt and distilled).....	125	148	2,909,742 64	3,112,755 06	203,012 42	.....
Machinery.....	223	249	10,471,369 54	12,299,745 00	1,828,375 46	.....
Printing and binding..	375	640	4,016,539 30	5,015,974 53	999,435 23	.....
Sash, doors, lumber and interior finish..	275	375	3,207,407 79	4,095,634 64	888,226 85	.....
Steel, iron and tin.....	90	94	24,948,054 81	24,057,613 68	.....	890,441 13

The following table shows the number of superintendents, salesmen and office help (monthly average).

Industry.	No. establishments reporting.		Number superintendents, salesmen and office help.		Increase or decrease.	
	1902	1903	1902	1903	Increase.	Decrease.
Boilers, engines and tanks.....	100	126	625	783	158	.....
Boots and shoes.....	58	61	1,060	1,107	47	.....
Clothing.....	278	767	1,442	1,709	267	.....
Flouring mill products	199	381	438	484	46	.....
Foundry and machine shop products.....	269	334	1,747	2,343	596	.....
Liquors (malt and distilled).....	125	148	809	865	56	.....
Machinery.....	223	249	1,772	1,937	165	.....
Printing and binding..	375	640	1,126	1,430	304	.....
Sash, doors, lumber and interior finish..	275	375	726	793	67	.....
Steel, iron and tin.....	90	94	1,356	1,458	102	.....

The following table shows the amount paid superintendents, salesmen and office help.

Industry.	No. establishments reporting.		Amount paid superintendents, salesmen and office help.		Increase or decrease.	
	1902	1903	1902	1903	Increase	Decrease.
Boilers, engines and tanks.....	100	126	\$650,206 44	\$859,208 64	\$209,002 20	.....
Boots and shoes.....	58	61	1,199,185 92	1,260,615 96	61,430 04	.....
Clothing.....	278	767	1,582,666 80	1,813,221 12	230,554 32	.....
Flouring mill products	199	381	413,070 96	398,661 96	.....	14,409 00
Foundry and machine shop products.....	269	334	1,969,670 88	3,919,931 64	1,950,260 76	.....
Liquors (malt and distilled).....	125	148	1,216,584 96	1,295,856 12	79,271 16	.....
Machinery.....	223	249	1,868,800 56	2,123,445 36	254,644 80	.....
Printing and binding..	375	640	984,661 32	1,208,461 32	223,800 00	.....
Sash, doors, lumber and interior finish..	275	375	586,226 64	683,508 36	97,281 72	.....
Steel, iron and tin.....	90	94	1,494,401 52	1,710,307 92	215,906 40	.....

We now present a separate table for each of the ten principal industries reporting, also making comparisons between the years of 1902 and 1903 and giving information in greater detail regarding them.

BOILERS, ENGINES AND TANKS.

Classification.	1902	1903	Increase.	Decrease.
Number of establishments reporting.....	100	126	26	.....
Capital invested in grounds, buildings and machinery.....	\$11,032,421 00	\$14,396,156 00	3,363,735 00	.....
Value of goods produced or manufactured.....	19,830,924 23	23,040,835 70	3,209,911 47	.....
Amount paid for rent, taxes and insurance.....	191,395 96	272,077 87	80,681 91	.....
Amount paid in wages.....	6,887,761 67	6,946,383 19	58,621 52	.....
Amount paid superintendents, salesmen and office help.....	650,206 44	859,208 64	209,002 20	.....
Total number persons employed (monthly average).....	10,800	12,480	1,680	.....
Number superintendents, salesmen and office help (monthly average).....	625	783	158	.....

BOOTS AND SHOES.

Classification.	1902	1903	Increase.	Decrease.
Number of establishments reporting.....	58	61	3	.....
Capital invested in grounds, buildings and machinery.....	\$4,633,923 00	\$3,962,527 00	.....	\$671,396 00
Value of goods produced or manufactured.....	20,723,765 06	23,632,918 99	\$2,909,153 93	.....
Amount paid for rent, taxes and insurance.....	210,791 26	244,152 58	33,361 32	.....
Amount paid in wages.....	4,593,602 58	5,073,942 43	480,339 85	.....
Amount paid superintendents, salesmen and office help.....	1,199,185 92	1,260,615 96	61,430 04	.....
Total number persons employed (monthly average).....	13,660	14,543	883	.....
Number superintendents, salesmen and office help (monthly average).....	1,060	1,107	47	.....

CLOTHING.

Classification.	1902	1903	Increase.	Decrease.
Number of establishments reporting.....	278	767	489	.....
Capital invested in grounds, buildings and machinery.....	\$3,273,213 00	\$3,803,343 00	\$530,130 00	.....
Value of goods produced or manufactured.....	24,809,915 29	31,334,285 62	6,524,370 33	.....
Amount paid for rent, taxes and insurance.....	583,839 99	815,188 88	231,348 89	.....
Amount paid in wages.....	5,147,906 29	7,415,504 92	2,267,598 63	.....
Amount paid superintendents, salesmen and office help.....	1,582,666 80	1,813,221 12	230,554 32	.....
Total number persons employed (monthly average).....	11,667	16,358	4,691	.....
Number superintendents, salesmen and office help (monthly average).....	1,442	1,709	267

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FLOURING MILL PRODUCTS.

Classification.	1902	1903	Increase.	Decrease.
Number of establishments reporting.....	199	381	182	
Capital invested in grounds, buildings and machinery.....	\$5,308,672 00	\$6,478,132 00	\$1,169,460 00	
Value of goods produced or manufactured.....	28,881,057 57	33,708,729 73	4,827,672 16	
Amount paid for rent, taxes and insurance.....	246,009 95	301,269 54	55,259 59	
Amount paid in wages.....	1,181,607 25	1,426,683 47	245,076 22	
Amount paid superintendents, salesmen and office help.....	413,070 96	398,661 96		\$14,409 00
Total number persons employed (monthly average).....	2,522	3,012	490	
Number superintendents, salesmen and office help (monthly average).....	438	484	46	

FOUNDRY AND MACHINE SHOP PRODUCTS.

Classification.	1902	1903	Increase.	Decrease.
Number of establishments reporting.....	269	334	65	
Capital invested in grounds, buildings and machinery.....	\$18,910,873 00	\$20,264,119 00	\$1,353,246 00	
Value of goods produced or manufactured.....	51,092,639 83	56,808,781 49	5,716,141 66	
Amount paid for rent, taxes and insurance.....	467,219 69	541,311 10	74,091 41	
Amount paid in wages.....	14,699,340 89	17,059,327 45	2,359,986 56	
Amount paid superintendents, salesmen and office help.....	1,969,670 88	3,919,931 64	1,950,260 76	
Total number persons employed (monthly average).....	27,217	30,890	3,673	
Number superintendents, salesmen and office help (monthly average).....	1,747	2,343	596	

LIQUORS (MALT AND DISTILLED).

Classification.	1902	1903	Increase.	Decrease.
Number of establishments reporting.....	125	148	23	
Capital invested in grounds, buildings and machinery.....	\$27,740,203 00	\$30,658,342 00	\$2,918,139 00	
Value of goods produced or manufactured.....	26,100,372 47	27,860,714 99	1,760,342 52	
Amount paid for rent, taxes and insurance.....	656,395 16	790,893 27	134,498 11	
Amount paid in wages.....	2,909,742 64	3,112,755 06	203,012 42	
Amount paid superintendents, salesmen and office help.....	1,216,584 96	1,295,856 12	79,271 16	
Total number persons employed (monthly average).....	4,391	4,669	278	
Number superintendents, salesmen and office help (monthly average).....	809	865	56	

MACHINERY.

Classification	1902	1903	Increase.	Decrease.
Number of establishments reporting.....	223	249	26	
Capital invested in grounds, buildings and machinery.....	\$18,317,519 00	\$21,919,920 00	\$3,602,401 00	
Value of goods produced or manufactured.....	36,393,734 68	41,064,073 65	4,670,338 97	
Amount paid for rent, taxes and insurance.....	451,666 93	525,303 18	73,636 25	
Amount paid in wages.....	10,471,369 54	12,299,745 00	1,828,375 46	
Amount paid superintendents, salesmen and office help.....	1,868,800 56	2,123,445 36	254,644 80	
Total number persons employed (monthly average).....	18,302	21,087	2,785	
Number superintendents, salesmen and office help (monthly average).....	1,772	1,937	165	

PRINTING AND BINDING.

Classification.	1902	1902	Increase.	Decrease.
Number of establishments reporting.....	375	640	265	
Capital invested in grounds, buildings and machinery.....	\$11,730,542 00	\$13,980,798 00	\$2,250,256 00	
Value of goods produced or manufactured.....	12,775,762 57	15,694,229 01	2,918,466 44	
Amount paid for rent, taxes and insurance.....	412,870 92	529,586 83	116,715 91	
Amount paid in wages.....	4,016,539 30	5,015,974 53	999,435 23	
Amount paid superintendents, salesmen and office help.....	984,661, 32	1,208,461 32	223,800 00	
Total number persons employed (monthly average).....	8,614	10,641	2,027	
Number superintendents, salesmen and office help (monthly average).....	1,126	1,430	304	

SASH, DOORS, LUMBER AND INTERIOR FINISH.

Classification.	1902	1903	Increase.	Decrease.
Number of establishments reporting.....	275	375	100	
Capital invested in grounds, buildings and machinery.....	\$5,168,212 00	\$6,144,393 00	\$976,181 00	
Value of goods produced or manufactured.....	16,464,021 62	18,080,948 80	1,616,927 18	
Amount paid for rent, taxes and insurance.....	331,315 54	401,537 93	70,222 39	
Amount paid in wages.....	3,207,407 79	4,095,634 64	888,226 85	
Amount paid superintendents, salesmen and office help.....	586,226 64	683,508 36	97,281 72	
Total number persons employed (monthly average).....	7,188	8,086	898	
Number superintendents, salesmen and office help (monthly average).....	726	793	67	

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STEEL, IRON AND TIN.

Classification	1902	1903	Increase.	Decrease.
Number of establishments reporting.....	90		4
Capital invested in grounds, buildings and machinery.....	\$39,628,909 00	\$43,460,013 00	\$3,831,104 00	.....
Value of goods produced or manufactured.....	123,928,781 71	114,355,561 74	.....	\$9,573,219 97
Amount paid for rent, taxes and insurance.....	609,047 50	735,151 62	126,104 12	.....
Amount paid in wages.....	24,948,054 81	24,057,613 68	.....	890,441 13
Amount paid superintendents, salesmen and office help.....	1,494,401 52	1,710,307 92	215,906 40	.....
Total number persons employed (monthly average).....	37,813	37,875	62	.....
Number superintendents, salesmen and office help (monthly average).....	1,356	1,458	102	.....

PART III.

Coal Mining.

PRODUCTION OF COAL FOR 1903, WITH COMPARISONS FOR 1902.

STATE SUMMARY.

Classification.	1902.	1903.	Increase.	Decrease
Number of mines reporting.....	533	575	42	.....
Number employed (monthly average)	30,580	36,460	5,880	.....
Number superintendents, salesmen and office help (monthly average)...	733	901	168	.....
Capital invested in grounds, build- ings and machinery.....	\$23,167,573 00	\$32,854,018 00	\$9,686,445 00	.....
Value of products.....	23,711,857 68	28,135,893 33	4,424,035,65,	.....
Amount paid for rent, taxes and insurance.....	590,623 86	888,580 30	297,956 44	.....
Amount paid in wages.....	15,767,636 83	19,113,466 75	3,345,829 92	.....
Amount paid superintendents, sales- men and office help.....	694,506 36	900,286 92	205,780 56	.....
Average number of days worked per employee.....	197	191	.....	6
Average daily wages per employee...	2 24	2 60	0 36	.....
Average yearly earnings per employee	441 28	496 60	55 32	.....
Average hours of daily labor per em- ployee.....	8	8	.....	.....
Number affected by advance in wages.....	.....	26,950	26,950	.....
Average per cent, advance in wages..	.....	12.57	12.57	.....

TABLE I—COAL MINING.

Giving by Counties Total Number of Mines Reported, Total Amount of Capital Invested in Grounds, Buildings and Machinery, Total Value of Coal Produced, and Total Amount Paid for Rent, Taxes and Insurance for the Year 1903.

Counties	No. of mines reported	Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during 1903.
Athens.....	40	\$5,607,696	\$4,082,370 47	\$213,366 50
Belmont.....	48	3,794,785	2,620,433 77	33,796 41
Carroll.....	11	569,700	419,333 30	14,514 85
Columbiana.....	35	841,265	1,078,575 09	8,627 63
Coshocton.....	15	304,195	565,087 63	9,107 65
Gallia.....	1	6,000	25,040 00	340 00
Guernsey.....	21	1,325,416	2,519,524 66	109,404 16
Harrison.....	10	460,850	362,912 04	22,013 76
Hocking.....	17	3,621,034	2,471,419 05	128,143 70
Holmes.....	6	18,000	41,513 93	766 85
Jackson.....	55	2,824,024	3,488,240 01	41,570 15
Jefferson.....	40	3,583,904	2,495,600 28	97,828 67
Lawrence.....	14	240,194	234,917 39	1,381 80
Mahoning.....	13	36,100	129,445 82	1,837 13
Medina.....	9	63,200	203,491 51	2,259 47
Meigs.....	15	148,018	305,673 99	11,530 13
Morgan.....	2	58,600	122,932 15	857 63
Muskingum.....	41	127,865	296,791 99	4,675 62
Noble.....	14	3,946	11,157 88	196 35
Perry.....	49	4,193,173	3,012,688 32	117,596 83
Portage.....	2	50,795	195,163 36	1,228 85
Scioto.....	3	6,200	14,394 26	942 41
Stark.....	50	2,822,907	1,715,689 04	32,231 25
Summit.....	5	7,400	21,293 00	589 06
Trumbull.....	3	2,500	17,686 70	47 81
Tuscarawas.....	42	1,843,551	1,328,691 31	24,990 46
Vinton.....	9	190,500	228,962 41	5,765 29
Washington.....	1	200	4,448 00	162 54
Wayne.....	4	102,000	122,435 97	1,907 34
Totals.....	575	\$32,854,018	\$28,135,893 33	\$888,580 30

TABLE II—COAL MINING.

GIVING CAPITAL INVESTED IN GROUNDS, BUILDINGS AND MACHIN-
ERY, VALUE OF COAL PRODUCED AND AMOUNT PAID
FOR RENT, TAXES AND INSURANCE FOR
THE YEAR 1903.

TABLE II.—COAL MINING—ATHENS COUNTY.

Schedule Number.	Capital in- vested in grounds, build- ings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7500	\$55,000	\$74,000 00	\$3,500 00
7501*	80,000	158,055 75	1,800 00
7502	137,288	284,128 20	2,956 92
7502†	133,506	323,115 50	2,888 63
7503*	429,562	427,851 46	21,460 91
7504	1,500	6,333 60	110 00
7505	500	3,000 00	350 00
7506†	3,971,250	1,630,261 21	117,096 56
7508	15	260 00	.....
7509	800	2,000 00	32 00
7513	100,000	152,281 00	1,250 00
7515	250,000	243,496 92	21,759 16
7516	80,100	70,689 80	5,971 61
7517	12,000	20,000 00	1,200 00
7518	45,000	43,850 00	.....
7521	5,000	52,238 00	700 00
7522	20,000	14,707 75	1,300 00
7524	7,500	141,559 01	7,201 63
7526	200	14,400 00	916 00
8137	47,915	30,000 00	1,000 00
8138	4,000	106,102 17	5,642 57
8139	1,800	20,000 00	1,250 00
8140	203,760	6,000 00	55 00
8142	1,000	216,320 10	11,550 51
8168	2,000	35,000 00	3,100 00
8081	18,000	3,720 00	150 00
8084		3,000 00	125 00
Totals	\$5,607,696	\$4,082,370 47	\$213,366 50

* 2 Mines.

† 12 Mines.

TABLE II₂—COAL MINING—BELMONT COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7536*	\$1,200,000	\$652,000 00	\$8,152 72
7537	1,250	72,000 00	1,200 00
7539	50,000	90,000 00	275 00
7540	200,000	62,788 00	2,324 09
7541	10,500	20,500 00	87 00
7542	168,514	126,811 47	1,204 59
7544	2,250	8,369 63	526 50
7545	1,500	1,260 00	40 00
7546	2,500	2,100 00	35 00
7547	2,000	6,160 00	50 00
7548	150	825 00	1 25
7549	400	2,875 06	200 00
7550	.....	3,000 00	.....
7551†	300,000	119,500 16	563 43
7552	4,000	5,750 00	695 00
7553	102,021	103,757 06	683 87
7554	35,000	145,000 00	1,500 00
7555	15,000	13,484 76	145 00
7556‡	500,000	336,821 41	2,416 17
7557‡	600,000	535,322 00	6,900 00
7558	.....	1,955 85	111 89
7559	15,000	5,000 00	250 00
7560	.....	40,000 00	400 00
7562	6,000	3,000 00	159 17
7563‡	200,000	27,400 00	370 00
7568	.....	2,300 00	.....
7569	700	800 00	5 30
7571	1,000	30 75	4 00
7573	62,500	65,547 19	1,490 43
7574	38,000	3,400 00	90 00
7575	4,000	5,760 00	695 00
8098	50,000	45,335 00	1,670 00
8130	10,000	12,000 00	250 00
8145	15,000	10,000 00	100 00
8147†	160,000	29,000 00	500 00
8151	37,500	33,200 00	221 00
8152	.....	27,380 43	480 00
Totals.....48	\$3,794,785	\$2,620,433 77	\$33,796 41

*4 Mines.

†2 Mines.

‡3 Mines.

TABLE II₃—COAL MINING—CARROLL COUNTY.

Schedule Number.	Capital in- vested in grounds, build- ings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7580	\$1,000	\$1,124 85	\$343 00
7581	.....	2,100 00	150 00
7582	100,000	68,173 00	1,195 09
7583	.....	687 30	1 00
7584	100	906 60	35 00
7585-1	132,000	76,818 97	4,200 00
7585-2	135,000	45,614 34	2,700 00
7585-3	150,000	136,954 24	5,200 00
7586	600	600 00	40 00
7588	51,000	79,200 00	350 76
8121	.....	7,154 00	300 00
Totals.....11	\$569,700	\$419,333 30	\$14,514 85

TABLE II₄—COAL MINING—COLUMBIANA COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7593*	\$18,315	\$73,654 05	\$238 49
7595	10,208	19,047 60	1,293 00
7596	21,599	93,122 95	172 64
7597	2,500	2,810 00	210 90
7598	650	1,000 00	5 00
7599	2,000	2,000 00	25 70
7601	600	1,850 00	134 18
7602	300	2,300 00	.....
7603*	30,000	44,090 00	895 00
7604	20,000	42,481 51	250 00
7606	1,500	1,540 00	30 00
7607	500	2,101 00	110 29
7608	30,786	84,121 45	335 62
7609	22,050	42,182 40	156 82
7610	.....	1,000 00	.....
7612	20,000	43,835 00	225 00
7613	100,000	76,138 00	434 22
7614	20,000	44,820 00	300, 00
7615	500	657 00	.....
7616	3,500	9,800 00	220 45
7617*	200,000	209,634 00	1,200 00
7618	8,000	15,000 00	225 00
7619	2,000	7,650 00	80 00
7620	1,000	2,263 60	.....
7621	1,000	8,000 00	20 00
7623	60,000	77,947 18	300 00
7624	.....	1,500 00	.....
7626*	29,257	103,708 15	685 32
8104	15,000	13,661 20	100 00
8128	20,000	30,660 00	100 00
8159	200,000	20,000 00	880 00
Totals.....35	\$841,265	\$1,078,575 09	\$8,627 63

* 2 Mines.

TABLE II₅—COAL MINING—COSHOCOTON COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7630	\$50,000	\$73,849 86	\$384 34
7631	10,000	53,595 00	92 90
7633	700	2,300 00	178 25
7634	2,000	2,750 00	186 00
7635 .....	.....	2,955 13	231 14
7636	21,495	129,533 32	463 02
7637	3,000	30,000 00	2,000 00
7640	40,000	73,110 00	700 00
7641 .....	.....	2,100 00	.....
7642 .....	.....	2,500 00	200 00
7872*	2,000	1,800 00	12 00
8088	100,000	35,200 23	2,500 00
8160	70,000	84,306 00	2,100 00
8162	5,000	71,068 09	60 00
Totals.....15	\$304,195	\$565,067 63	\$9,107 65

* 2 Mines.

TABLE II6—COAL MINING—GALLIA COUNTY.

Schedule Number.		Capital in- vested in grounds, build- ings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7647	.....	\$6,000	\$25,040 00	\$340 00
Total .....1		\$6,000	\$25,040 00	\$340 00

TABLE II7—COAL MINING—GUERNSEY COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7650*		\$425,117 00	\$56,398 38
7651*	\$162,000	439,236 20	5,044 00
7652	68,594	141,084 25	596 36
7653	198,088	128,625 69	1,785 00
7656	98,648	36,263 60	706 49
7658	5,000	20,575 65	140 00
7659	85,000	109,920 00	909 93
7660	1,500	2,200 00	
7661	200,000	110,000 00	1,000 00
7662	50,000	47,803 34	258 47
7663†	150,000	756,338 10 1	34,969 00
7664		1,064 00	95 00
7927	39,757	121,860 00	1,247 29
8080	54,829	68,566 81	714 24
8123	30,000	1,000 00	40 00
8163	182,000	109,870 02	5,500 00
Totals.....21	\$1,325,416	\$2,519,524 66	\$109,404 16

* 2 Mines.

† 4 Mines.

TABLE II8—COAL MINING—HARRISON COUNTY.

Schedule Number.		Capital in- vested in grounds, build- ings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7670	.....	\$75	\$350 00	.....
7671	.....	200	3,408 21	.....
7673	.....	5,000	1,026 00	\$80 00
7674	.....	25,000	37,175 00	345 86
7675	.....	1,400	200 00	.....
7676	.....	410,000	292,881 24	22,262 30
7677	.....	25	40 00	.....
7679	.....	.....	77 00	.....
7680	.....	1,000	6,000 00	3 75
8103	.....	18,150	21,754 59	221 85
Totals..... 10		\$460,850	\$362,912 04	\$22,913 76

TABLE II₉—COAL MINING—HOCKING COUNTY.

Schedule Number.		Capital in- vested in grounds, build- ings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7519	.....	\$4,000	\$13,500 10	\$5 50
7685*	.....	338,784.	845,471 95	7,115 69
7688*	.....	766,250	314,698 30	23,436 54
7689†	.....	2,500,000	1,259,348 80	97,080 47
7690	.....	10,000	24,000 00	500 00
8170	.....	2,000	14,400 00	5 50
Totals.....17		\$3,621,034	\$2,471,419 05	\$128,143 70

* 4 Mines.

† 6 Mines.

TABLE II₁₀—COAL MINING—HOLMES COUNTY.

Schedule Number.		Capital invested in grounds, buildings, and machinery	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7696	.....	\$300	\$4,500 00	\$300 00
7697	.....	150	1,055 65	106 85
7698	.....	7,000	4,000 00	300 00
7699	.....	500	6,456 00	.....
7701	.....	\$50	900 00	60 00
8105	.....	10,000	24,602 28	.....
Totals.....6		\$18,000	\$41,513 93	\$766 85

TABLE II-1—COAL MINING—JACKSON COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7705	\$140,000	\$225,600 00	\$2,500 00
7706	100,000	78,400 00	4,315 00
7707*	40,000	64,946 95	512 75
7708	.....	4,844 15	547 37
7709	38,000	13,428 39	390 74
7710*	200,000	177,236 66	3,060 89
7712	26,955	33,094 43	762 73
7713*	1,200	13,938 00	96 00
7714	20,000	13,500 00	350 00
7715	3,500	18,800 00	60 00
7716	12,000	18,000 00	1,000 00
7718†	100,000	324,254 50	1,402 29
7719	1,000	4,000 00	31 74
7720†	250,000	394,000 00	2,055 85
7721‡	1,500,000	1,348,097 09	12,121 60
7722	.....	1,480 00	89 46
7723	2,300	2,500 00	25 00
7724	48,869	184,955 92	2,409 17
7725	5,500	45,956 00	240 00
7726	25,000	27,000 00	263 00
7729	.....	26,283 82	1,565 52
7731*	50,000	75,000 00	300 00
7732	78,000	90,000 00	950 00
7733	20,000	7,866 78	.....
7734	3,000	15,000 00	180 00
7735	3,000	70,871 65	100 00
7736	200	500 00	.....
7739	15,000	45,300 00	3,000 00
7740*	25,000	20,000 00	1,000 00
7741	500	5,000 00	300 00
7742	15,000	4,000 00	100 00
7746	7 000	17,407 01	135 00
8132	6,000	18,214 02	258 00
8173	25,000	24,626 25	342 59
8175	15,000	39,820 26	341 87
8177	1,000	6,000 00	400 00
8178	42,000	16,674 17	103 58
8179	5,000	11,643 96	310 00
Totals.....55	\$2,824,024	\$3,488,240 01	\$41,570 15

* 2 Mines.

† 3 Mines.

‡ 9 Mines.

TABLE II₁₂—COAL MINING—JEFFERSON COUNTY.

Schedule Number.	Capital in- vested in grounds, build- ings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7750	\$1,000	\$4,224 00	\$215 00
7751*	.....	800,000 00	61,000 00
7752	45,455	91,391 29	1,344 80
7753	.....	10,385 16	171 75
7754	10,000	27,000 00	1,000 00
7755	150	4,425 60	382 56
7756	2,000	5,397 95	204 00
7757	1,500	4,000 00	.....
7758	3,500	400 00	48 00
7759	300	2,503 50	36 00
7760	.....	655 55	.....
7761	300	1,000 00	25 00
7762	60,000	48,000 00	750 00
7764†	1,000,000	171,334 00	5,400 00
7765	96,519	188,913 27	979 93
7766	600	2,925 10	3 00
7767†	374,580	327,259 00	2,310 05
7767‡	265,000	68,561 00	2,526 30
7768	2,000	1,538 00	28 00
7771	40,000	115,000 00	900 00
7772	1,000	4,000 00	.....
7773	50,000	60,000 00	525 30
7775	200,000	58,208 00	1,500 00
7778	400,000	88,231 74	4,527 97
8181	400,000	70,000 00	1,000 00
8184†	100,000	209,011 72	8,326 01
8185	340,000	93,835 40	4,225 00
8186	190,000	37 400 00	400 00
Totals.....40	\$3,583,904	\$2,495,600 28	\$97,828 67

* 3 Mines.

† 2 Mines.

‡ 9 Mines.

TABLE II₁₃—COAL MINING—LAWRENCE COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery	Total value of coal produced during year 1903.	*Amount paid for rent, taxes and insurance during year 1903.
7779	\$300	\$1,650 00	\$6 90
7780*	17,000	61,250 00	225 00
7781	3,000	8,100 00	61 00
7782	30,000	21,400 00	305 00
7783	.....	100 00	.....
7784	500	6,000 00	.....
8118	6,000	7,200 00	18 00
8127†	183,394	129,217 39	765 90
Totals..... 14	\$240,194	\$234,917 39	\$1,381 80

* 2 Mines.

† 6 Mines.

TABLE II₁₄—COAL MINING—MAHONING COUNTY.

Schedule Number.		Capital in- vested in grounds, buildings and machinery	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7788	.....	\$18,000	\$52,200 00	\$75 81
7789	.....	1,500	6,606 90	450 46
7790	.....	1,000	2,400 00	200 00
7791	.....	4,000	8,097 00	15 00
7792	.....	1,000	4,254 00	35 00
7793	.....	200	4,381 01	392 15
7794	.....	400	2,000 00	200 00
7795	.....	.....	3,900 00	38 00
7797	.....	6,100	33,741 96	19 50
7798	.....	600	3,350 75	173 80
7799	.....	1,500	900 00	.....
7800	.....	1,000	2,077 20	234 00
8194	.....	800	5,537 00	3 41
Totals.....13		\$36,100	\$129,445 82	\$1,837 13

TABLE II₁₅—COAL MINING—MEDINA COUNTY.

Schedule Number.		Capital in- vested in grounds, build- ings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7805	.....	\$1,000	\$10,880 00	\$75 00
7806	.....	1,000	11,144 00	5 00
7807*	.....	55,000	140,228 00	2,108 00
7809	.....	700	4,012 91	7 90
7810	.....	1,000	5,000 00	15 00
7811	.....	4,500	32,226 60	48 57
Totals.....9		\$63,200	\$203,491 51	\$2,259 47

* 4 Mines.

TABLE II16—COAL MINING—MEIGS COUNTY.

Schedule Number.		Capital in- vested in grounds, build- ings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7817	.....	\$25,000	\$38,000 00	\$2,000 00
7818	.....	.....	64,857 61	3,807 69
7819	.....	200	1,000 00	100 00
7820	.....	1,500	5,000 00	500 00
7821*	.....	1,000	6,200 00	15 00
7823	.....	35,000	19,252 49	225 00
7824	.....	2,000	6,000 00	1,400 00
7825	.....	40	1,561 50	207 58
7826	.....	.....	1,125 00	.....
8199	.....	33,000	57,506 25	400 00
12202	.....	22,278	51,659 14	107 13
12203	.....	2,000	10,000 00	1,300 00
12204	.....	24,000	26,000 00	1,402 00
12207	.....	2,000	17,512 00	65 73
Totals.....15		\$148,018	\$305,673 99	\$11,530 13

* 2 Mines.

TABLE II₁₇—COAL MINING—MORGAN COUNTY.

Schedule Number.		Capital in- vested in grounds, buildings and machinery	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7833	.....	\$19,600	\$23,347 00	\$363 84
12208	.....	39,000	94,585 15	493 79
Totals.....2		\$58,600	\$122,932 15	\$857 63

TABLE II-18—COAL MINING—MUSKINGUM COUNTY.

Schedule Number.	Capital in- vested in grounds, buildings and machinery	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7836	\$1,500	\$6,000 00	\$375 00
7837	6,000	2,584 46	23 36
7839	2,500	1,227 60	42 00
7841	1,600	1,188 25	
7842	15	1,500 00	150 00
7843	4,000	800 00	
7844		367 80	28 73
7845	4,000	3,500 00	40 00
7846	5,000	9,511 00	290 61
7848	6,000	21,349 02	75 00
7849	3,000	681 00	25 00
7850	5,000	1,000 00	46 88
7851	600	1,900 00	47 00
7852	500	1,700 00	40 00
7854	650	1,800 00	25 00
7855	1,100	2,700 00	135 00
7856	450	1,350 00	35 00
7857	50	1,400 00	80 00
7858	1,000	4,600 00	200 00
7859	500	2,000 00	175 00
7861	400	1,800 00	30 00
7863	100	1,050 00	50 00
7864	47	1,349 00	224 84
7865	200	1,050 00	30 00
7866	10,000	4,800 00	180 00
7867	4,000	21,647 00	35 00
7868	2,000	3,500 00	56 00
7869	100	1,150 00	96 00
7870	250	2,485 00	414 00
7871	2,000	3,150 00	25 00
7873	100	875 00	100 00
7874	100	1,535 00	
7876	300	2,000 00	
7877	2,000	5,000 00	600 00
7878*	25,000	91,381 00	35 00
7879	8,803	27,546 07	166 00
7881	2,000	3,000 00	40 00
8153	2,000	30,000 00	500 00
12210	25,000	26,311 79	264 20
Totals.....41	\$127,865	\$296,791 99	\$4,675 62

* 3 Mines.

TABLE II19—COAL MINING—NOBLE COUNTY.

Schedule Number.	Capital in- vested in grounds, build- ings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7885		\$350 00	
7887	\$1,400	525 00	\$15 60
7888		175 44	
7889	300	1,000 00	
7890		248 60	
7891	500	800 00	
7894	75	1,000 00	1 50
7896		600 00	
7897	150	525 00	1 25
7899		480 00	
7900	21	460 00	18 00
7901		600 00	
7902		393 84	
7903	1,500	4,000 00	160 00
Totals.....14	\$3,946	\$11,157 88	\$196 35

TABLE II₂₀—COAL MINING—PERRY COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7543	\$50,000	\$46,975 24	\$1,125 99
7913	130,326	121,277 85	2,741 46
7913‡	130,053	102,659 55	2,728 47
7914*	1,512,500	620,757 80	44,904 16
7915	18,000	16,277 60	72 08
7916	15,000	118,433 13	12,169 64
7917	58,580	74,276 20	1,205 23
7918†	300,000	221,737 10	2,349 76
7920	500	9,288 68	617 58
7921	2,000	800 00	35 00
7922	1,400	400 00	10 72
7923	1,500	250 00	40 00
7924	50	600 00	60 00
7925	700	600 00	.....
7926	.....	16,000 00	70 00
7927‡	76,304	95,615 32	2,381 57
7928	2,000	4,000 00	32 00
7930	600	4,050 44	30 00
7932	350,000	125,955 45	11,164 37
7933	219,900	194,024 88	18,692 51
7935†	174,311	92,008 12	518 91
7936	100	1,300 50	60 00
7937	50,000	27,951 76	450 00
7938	75,000	102,650 00	365 47
7939‡	133,965	20,327 40	2,732 16
7940	2,000	111,000 00	700 00
7940‡	137,144	20,460 80	2,782 15
7941	15,000	51,300 00	50 00
7941‡	16,390	90,746 50	361 69
7942	2,000	12,882 75	1,272 02
7942‡	50,618	70,350 10	1,039 80
7943	78,000	64,107 60	100 00
1943‡	105,947	248,742 70	2,219 78
7944	40,000	67,375 00	950 00
7946	2,000	1,317 00	20 00
7948	500	2,800 24	5 00
12216	31,079	55,092 14	334 00
12217	2,000	12,882 75	1,272 02
12218	2,000	40,000 00	37 65
12219	15,686	27,735 78	39 30
12220†	175,000	37,957 00	1,206 34
12221	215,020	79,717 94	650 00
Totals.....49	\$4,193,173	\$3,012,688 32	\$117,596 83

* 3 Mines.

† 4 Mines.

‡ 2 Mines.

TABLE II₂₁—COAL MINING—PORTAGE COUNTY.

Schedule Number.		Capital in- vested in grounds, build- ings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7953*	.....	\$50,795	\$195,163 36	\$1,223 35
Totals..... 2		\$50,795	\$195,163 36	\$1,223 85

* 2 Mine4.

TABLE II₂₂—COAL MINING—SCIOTO COUNTY.

Schedule Number.		Capital in- vested in grounds, buildings and machinery	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance ^a during year 1903.
7956*	.....	\$6,000	\$14,154 26	\$937 41
7957	.....	200	240 00	5 00
Totals.....3		\$6,200	\$14,394 26	\$942 41

* 2 Mines.

TABLE II₂₃—COAL MINING—STARK COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7962	\$57,667	\$52,161 17	\$1,590 75
7964*	220,000	45,000 00	1,800 00
7965	33,528	141,232 00	566 00
7967	1,000	1,650 00	
7968	4,000	7,000 00	170 00
7969	1,500	2,771 81	500 00
7970	150	1 800 00	
7971	8,000	1,656 00	
7972	150	1,440 00	2 23
7973	1,200	4,000 00	200 00
7975	300	2,653 12	309 00
7976	300	3,850 00	
7978	50	1,136 75	
7979	3,000	300 00	31 00
7980		2,900 00	200 00
7981	7,000	900 00	80 00
7982	30,000	35,860 00	1,100 00
7983†	1,970,000	1,087,999 20	4,000 00
7984	30,000	44,722 00	284 00
7986	15,000	21,000 00	130 00
7987	12	2,971 01	175 00
7988	1,000	3,600 00	3 00
7989	500	700 00	200 00
7990		150 00	19 00
7991		1,500 00	
7992		700 00	
7993	105,000	73,772 05	4,500 00
7994	89,500	13,670 58	3,500 00
7995	70,850	42,475 16	3,700 00
7996	83,500	60,201 97	5,200 00
7996½	84,000	14,259 72	3,750 00
12226	2,500	10,000 00	6 00
12227	1,000	9,100 00	200 00
12228	700	7,600 00	
12236	1,500	8,716 50	12 27
12238		6,240 00	3 00
Totals.....50	\$2,822,907	\$1,715,689 04	\$32,231 25

* 2 Mines.

† 14 Mines.

TABLE II₂₄—COAL MINING—SUMMIT COUNTY.

Schedule Number.		Capital in- vested in grounds, build- ings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7997	.....	\$500	\$3,000 00	\$178 00
7998	.....	800	1,708 00	170 80
7999	.....	6,000	9,600 00	28 00
8000	.....	100	2,985 00	172 26
8002	.....	.....	4,000 00	40 00
Totals.....5		\$7,400	\$21,293 00	\$589 06

TABLE II25—COAL MINING—TRUMBULL COUNTY.

Schedule Number.		Capital in- vested in grounds, build- ings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
8009	.....	\$2,500	\$15,386 70	\$47 81
8010	.....	.....	750 00	.....
8011	.....	.....	1,550 00	.....
Totals.....3		\$2,500	\$17,686 70	\$47 81

TABLE II26—COAL MINING—TUSCARAWAS COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
8015	\$75,000	\$52,000 00	\$1,600 00
8016*	964,000	146,000 00	4,100 00
8017	8,000	4,477 00	.....
8018	30,000	114,737 70	1,250 00
8019	1,000	13,000 00	142 00
8020	5,000	6,000 00	75 00
8021	1,900	21,769 00	500 00
8022	20,000	18,000 00	200 00
8023	30,000	33,000 00	310 00
8024	700	6,830 88	.....
8026	4,000	4,111 25	40 00
8027	300	2,146 25	134 00
8029	2,000	800 00	25 00
8030	1,500	6,337 50	164 68
8031†	65,000	172,447 05	5,554 30
8034	1,000	4,200 00	.....
8035	12,000	4,100 00	21 50
8036	1,700	4,000 00	234 00
8037†	100,000	207,625 32	1,026 30
8038	100,000	65,822 40	780 00
8039	4,500	4,950 00	100 00
8040	300	1,122 00	90 00
8041	300	1,100 00	.....
8043†	9,500	36,931 15	125 00
8044	5,000	4,600 00	24 00
8046	15	676 00	20 75
8047	1,000	370 00	3 00
8049	50,000	16,966 97	332 75
8051	100,000	11,632 84	300 00
8090	127,836	128,391 00	1,958 8
8124	30,000	70,380 00	980 00
12244	6,000	42,834 00	630 00
12245	50,000	70,000 00	4,000 00
12247†	36,000	51,333 00	270 00
Totals.....42	\$1,843,551	\$1,328,691 31	\$24,990 46

* 4 Mines.

† 3 Mines.

‡ 2 Mines.

TABLE II₂₇—COAL MINING—VINTON COUNTY.

Schedule Number.		Capital in- vested in grounds, build- ings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
8053*	.....	\$ 8,000	\$ 18,000 00	\$500 00
8054	.....	65,000	67,200 00	1,800 00
8055	.....	8,500	12,128 68	114 40
8056	.....	4,000	28,800 00	1,250 00
8057	.....	75,000	40,055 00	550 00
8113	.....	12,000	43,278 73	200 89
8135	.....	15,000	16,000 00	\$50 00
12252	.....	3,000	3,500 00	500 00
Totals.....9		\$190,500	\$228,962 41	\$5,765 29

* 2 Mines.

TABLE II28—COAL MINING—WASHINGTON COUNTY.

Schedule Number.		Capital in- vested in grounds, buildings and machinery	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
8062	.....	\$200	\$4,448 00	\$162 54
Totals.....1		\$200	\$4,448 00	\$162 54

TABLE II₂₉—COAL MINING—WAYNE COUNTY.

Schedule Number.		Capital invested in grounds, buildings and machinery	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
8067	.....	\$6,000	\$7,517 00	\$35 46
8070	.....	20,000	49,420 00	1,188 40
8071	.....	46,000	42,098 97	633 48
8072	.....	30,000	23,400 00	50 00
Totals..... 4		\$102,000	\$122,435 97	\$1,907 34

TABLE III.—COAL MINING.

Giving by Counties Total Number of Mines Reported, Total Amount Paid in Wages, and the Total Number Employed and the Salaries Paid Office Help for the Year 1903.

Counties.	No. of Mines reported.	Total am't paid in wages during year 1903.	OFFICE HELP.									
			Superintendents		Salesmen.		Book-keepers.		Clerks.		Stenographers	
			No.	Monthly Salary.	No.	Monthly Salary.	N.	Monthly Salary.	No.	Monthly Salary.	No.	Monthly Salary.
Athens.....	40	\$2,633,080 85	24	\$2,914 00	10	\$2,758 33	19	\$1,280 00	66	\$3,150 00	11	\$555 00
Belmont.....	48	1,850,694 10	27	3,411 00	9	950 00	24	1,818 33	22	1,513 00	11	619 16
Carroll.....	11	345,045 52	6	800 00	4	375 00	4	313 33	3	165 00	3	115 00
Columbiana.....	35	801,349 28	17	1,745 00	6	535 00	14	805 00	4	146 00	4	210 00
Coshocton.....	15	407,024 65	8	828 48	2	200 00	8	512 00	1	30 00	..	..
Gallia.....	1	18,640 00	1	50 00	..	..	1	40 00	1	35 00	..	..
Guernsey.....	21	1,727,906 02	25	3,050 50	7	1,013 40	16	1,080 00	10	706 33	6	295 00
Harrison.....	10	255,121 87	4	370 00	2	200 00	2	110 00	2	90 00	1	40 00
Hocking.....	17	1,746,978 60	4	766 66	6	1,075 00	9	720 00	12	743 33	4	200 00
Holmes.....	6	25,715 02	..	..	1	35 00	1	25 00	1	32 00	..	..
Jackson.....	55	2,067,635 10	35	4,268 83	19	2,215 00	36	2,411 25	15	1,040 00	9	520 00
Jefferson.....	40	1,794,843 53	18	2,485 00	6	683 33	9	661 12	16	807 57	6	240 00
Lawrence.....	14	170,060 92	8	270 00	3	202 50	2	100 00	4	175 00	1	20 00
Mahoning.....	13	104,049 56	3	272 00	1	52 00	3	100 00	..	..	..	..
Medina.....	9	156,609 76	3	335 00	1	150 00	2	120 00	..	..	..	..
Meigs.....	15	217,774 55	6	470 00	2	125 00	6	335 00	1	20 00	..	..
Morgan.....	2	72,981 46	2	175 00	1	75 00	1	75 00	1	50 00	..	..
Muskingum.....	41	198,447 61	7	490 00	2	130 00	4	190 00	1	20 00	2	70 00
Noble.....	14	5,784 38	..	..	..	..	..	..	..	..	..	..
Perry.....	49	2,120,557 67	21	2,171 23	9	885 00	23	1,589 58	20	1,055 00	10	410 00
Portage.....	2	104,066 00	1	150 00	1	125 00	1	110 00	1	50 00	1	35 00
Scioto.....	3	111,576 56	1	60 00	..	..	..	..	..	..	..	..
Stark.....	50	977,962 12	30	3,238 33	7	700 00	14	1,074 33	15	1,023 33	8	396 00
Summit.....	5	14,167 40	..	..	..	..	..	..	..	..	..	..
Trumbull.....	3	10,727 65	1	60 00	1	75 00	1	100 00	1	65 00	1	50 00
Tuscarawas.....	42	1,024,878 58	23	2,076 66	4	295 00	13	880 00	8	370 00	4	165 00
Vinton.....	9	151,229 22	6	460 00	3	200 00	4	215 00	2	60 00	1	50 00
Washington.....	1	1,760 00	..	..	..	..	..	..	..	..	..	..
Wayne.....	4	96,798 77	5	580 00	1	150 00	2	150 00	2	100 00	..	..
Totals.....	575	\$19,113,466 75	231	\$31,497 69	108	\$13,214 56	219	\$14,814 94	209	\$11,446 56	84	\$4,050 16

TABLE IV—COAL MINING.

GIVING AMOUNT PAID IN WAGES, AND THE NUMBER EMPLOYED
AND THE SALARIES PAID OFFICE HELP FOR THE YEAR 1903.

TABLE IV_I—COAL MINING—ATHENS COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7500	\$50,000 00	2	\$241 00	1	75 00	1	\$75 00	1	\$40 00	1	\$35 00
7501*	98,911 63	1	100 00	1	75 00	1	40 00	3	120 00	1	75 00
7502	166,114 19	1	100 00	1	150 00	1	60 00	1	50 00	1	75 00
7502½	197,734 69	1	100 00	1	150 00	1	75 00	1	65 00	1	75 00
7503*	263,303 63	3	300 00	2	1,833 33	2	150 00	4	250 00	1	50 00
7504	1,243 66	1	100 00	1	100 00	1	100 00	1	100 00	1	100 00
7505	2,000 00	1	100 00	1	100 00	1	100 00	1	100 00	1	100 00
7506†	1,116 52	97	3	600 00	2	190 00	49	2 300 00	6	305 00	
7508	135 10	1	100 00	1	100 00	1	100 00	1	100 00	1	100 00
7509	1,000 00	2	350 00	2	350 00	3	300 00	3	165 00	1	75 00
7513	99,789 88	2	100 00	1	100 00	1	100 00	1	100 00	1	100 00
7515	149,517 02	1	100 00	1	100 00	1	100 00	1	100 00	1	100 00
7516	56,551 84	1	100 00	1	100 00	1	100 00	1	100 00	1	100 00
7517	15,500 00	1	100 00	1	100 00	1	100 00	1	100 00	1	100 00
7518	40,149 00	2	160 00	1	100 00	1	45 00	1	50 00	1	100 00
7521	31,617 00	2	160 00	1	100 00	1	50 00	1	50 00	1	100 00
7522	5,425 00	2	230 00	1	125 00	2	80 00	1	25 00	1	25 00
7524	64,746 12	1	75 00	1	125 00	2	80 00	1	25 00	1	25 00
7526	10,342 00	1	75 00	1	125 00	2	80 00	1	25 00	1	25 00
8137	14,600 00	1	75 00	1	125 00	2	80 00	1	25 00	1	25 00
8133	56,226 14	1	208 00	1	125 00	1	40 00	1	25 00	1	25 00
8139	1,500 00	1	75 00	1	125 00	2	80 00	1	25 00	1	25 00
8140	4,600 00	1	75 00	1	125 00	2	80 00	1	25 00	1	25 00
8142	159,650 98	1	100 00	3	225 00	1	80 00	2	115 00	1	65 00
8168	22,000 00	1	100 00	1	125 00	1	55 00	1	20 00	1	25 00
8081	2,700 00	2	200 00	1	125 00	1	40 00	1	25 00	1	25 00
8084	1,200 00	1	75 00	1	125 00	2	80 00	1	25 00	1	25 00
Totals.. 40	\$2,633,080 85	24	\$2,914 00	10	\$2,758 33	19	\$1,280 00	66	\$3,150 00	11	\$555 00

*2 mines.

†12 mines.

TABLE IV₂—COAL MINING—BELMONT COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
5736*	\$564,230 00	3	\$533 00	3	\$ 400 00	4	\$525 00	6	\$ 480 00	4	\$ 300
7537	24,000 00	1	100 00								
7539	64,500 00	1	100 00			1	60 00			1	40 00
7540	42,503 39	1	208 00					1	30 00		
7541	14,775 00	1	25 00								
7542	83,642 05	1	200 00			1	25 00				
7544	5,725 35	1	60 00								
7545	410 00										
7546	1,050 00										
7547	4,640 00										
7548	700 00							1	48 00		
7549	1,800 00										
7550	2,000 00										
7551†	77,221 13	1	100 00			1	60 00	1	40 00		
7552	4,024 36	1	50 00	1	50 00	1	50 00				
7553	83,005 65	1	125 00	1	75 00	1	75 00	1	50 00	1	50 00
7554	104,000 00	2	400 00	2	300 00	2	125 00				
7555	10,215 00							1	40 00		
7556†	222,169 71	1	150 00			1	75 00	1	75 00	1	40 00
7557†	316,421 00	2	350 00			1	150 00	7	595 00	1	60 00
7558	1,417 85										
7559	3,312 40										
7560	8,000 00					1					
7562	1,236 00					1	40 00				
7563†	23,397 00	1	75 00			1	83 33			1	29 16
7568	1,500 00					1					
7569	76 80										
7571	23 74										
7573	40,438 70	1	150 00			1	50 00	1	45 00		
7574	3,171 00	1	75 00								
7575	4,024 36	1	50 00	1	50 00	1	50 00				
8098	38,421 00	1	125 00			1	50 00				
8130	10,000 00	1	75 00			1	75 00				
8145	6,000 00	1	60 00			1	20 00				
8147†	25,000 00	1	125 00	1	75 00	2	130 00	1	50 00		
8151	23,600 00	1	150 00			1	75 00			1	50 00
8152	34,042 61	1	125 00			1	100 00	1	60 00	1	50 00
Totals..48	\$1,850,694 10	27	\$3,411 00	9	\$ 950 00	24	\$1,818 33	22	\$1,513 00	11	\$619 16

*4 mines.

†2 mines.

‡3 mines.

TABLE IV₃—COAL MINING—CARROLL COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7580	\$,400 00	..	.....	..	.....	..	.....	..	.....	..	.....
7581	1,400 00	..	.....	..	.....	..	.....	..	.....	..	.....
7582	51,675 66	1	\$100 00	1	\$75 00	1	\$55 00	1	\$40 00	1	\$30 00
7583	292 28	..	.....	..	.....	..	.....	..	.....	..	.....
7584	550 00	..	.....	..	.....	..	.....	..	.....	..	.....
7585-1	67,593 66	1	150 00	1	100 00	1	75 00	1	60 00	..	.....
7585-2	67,813 32	1	100 00	..	.....	..	.....	..	.....	..	.....
7585-3	88,583 96	2	250 00	1	100 00	1	83 33	1	65 00	1	60 00
7586	300 00	..	.....	..	.....	..	.....	..	.....	..	.....
7588	60,000 00	1	100 00	1	100 00	1	100 00	..	.....	1	25 00
8121	6,436 64	..	.....	..	.....	..	.....	..	.....	..	.....
Totals... 11	\$345,045 52	6	\$800 00	4	\$375 00	4	\$313 33	3	\$165 00	3	\$115 00

TABLE IV₄—COAL MINING—COLUMBIANA COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7593*	\$56,097 52	1	\$125 00	1	\$75 00	1	\$75 00	..	.....	1	\$50 00
7595	12,552 87	1	50 00	..	.....	1	20 00	..	.....	..	.....
7596	62,081 97	1	125 00	1	75 00	1	75 00	..	.....	1	50 00
7597	2,184 00	..	.....	..	.....	..	.....	..	.....	..	.....
7598	500 00	..	.....	..	.....	..	.....	..	.....	..	.....
7599	1,300 00	..	.....	..	.....	..	.....	..	.....	..	.....
7601	1,228 50	..	.....	..	.....	..	.....	..	.....	..	.....
7602	2,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7603*	39,620 00	1	200 00	1	150 00	1	75 00	..	.....	1	60 00
7604	31,333 33	1	80 00	..	.....	1	35 00	..	.....	..	.....
7606	850 00	..	.....	..	.....	..	.....	..	.....	..	.....
7607	1,057 00	..	.....	..	.....	..	.....	..	.....	..	.....
7608	60,812 73	1	100 00	..	.....	1	90 00	..	.....	..	.....
7609	31,120 08	1	60 00	1	60 00	1	60 00	..	.....	..	.....
7610	150 00	..	.....	..	.....	..	.....	..	.....	..	.....
7612	36,800 00	1	100 00	..	.....	..	.....	..	.....	..	.....
7613	65,002 00	1	100 00	..	.....	..	.....	1	44 00	..	.....
7614	39,840 00	1	170 00	..	.....	1	30 00	..	.....	..	.....
7615	4,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7616	7,000 80	..	.....	..	.....	..	.....	..	.....	..	.....
7617*	132,917 00	1	100 00	1	100 00	1	90 00	1	50 00	..	.....
7618	10,000 00	..	.....	..	.....	1	55 00	..	.....	..	.....
7619	5,000 00	1	55 00	..	.....	..	.....	..	.....	..	.....
7620	1,289 00	..	.....	..	.....	..	.....	..	.....	..	.....
7621	6,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7623	62,657 39	1	100 00	..	.....	1	40 00	1	20 00	..	.....
7624	500 00	..	.....	..	.....	..	.....	..	.....	..	.....
7626*	71,749 88	1	125 00	1	75 00	1	75 00	..	.....	1	50 00
8104	11,705 21	1	65 00	..	.....	..	.....	1	32 00	..	.....
8128	30,000 00	1	90 00	..	.....	1	40 00	..	.....	..	.....
8159	14,000 00	1	100 00	..	.....	1	45 00	..	.....	..	.....
Totals...35	\$801,349 28	17	\$1,745 00	6	\$535 00	14	\$805 00	4	\$146 00	4	\$210 0

*2 mines.

TABLE IV₅—COAL MINING—COSHOCKTON COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7630	\$50,775 56	1	\$ 78 48	..	.....	1	\$ 60 00	..	.....	..	.....
7631	34,971 93	2	150 00	..	.....	1	100 00	..	.....	..	.....
7633	1,400 00	..	.....	..	.....	..	.....	..	.....	..	.....
7634	2,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7635	2,026 15	..	.....	..	.....	..	.....	..	.....	..	.....
7636	79,875 73	1	75 00	1	\$100 00	2	157 00	..	.....	..	.....
7637	17,000 00	..	.....	..	.....	1	50 00	..	.....	..	.....
7640	69,610 00	1	75 00	..	.....	1	35 00	..	.....	..	.....
7641	1,500 00	..	.....	..	.....	..	.....	..	.....	..	.....
7642	1,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7872*	1,050 00	..	.....	..	.....	..	.....	..	.....	..	.....
8088	25,445 07	1	150 00	1	100 00	1	60 00	..	.....	..	.....
8160	77,432 00	1	200 00	..	.....	1	50 00	1	30 00	..	.....
8162	42,938 21	1	100 00	..	.....	..	.....	..	.....	..	.....
Totals...15	\$407,024 65	8	\$828 48	2	\$200 00	8	\$512 00	1	\$ 30 00	..	.....

*2 mines.

TABLE IV6—COAL MINING—GALLIA COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7647	\$18,640 00	1	\$ 50 00	..	.....	1	\$ 40 00	1	\$ 35 00	..	.....

TABLE IV7—COAL MINING—GUERNSEY COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7650*	\$269,838 58	1	\$200 00	1	\$200 00	2	\$175 00	2	\$150 00	1	\$80 00
7651*	333,140 93	1	250 00	1	250 00	2	210 00	3	210 00	1	80 00
7652	77,420 87	2	225 00	1	166 70	1	50 00	..	..	1	30 00
7653	108,943 19	2	225 00	1	150 00	2	100 00	..	..	..	..
7656	29,219 77	..	..	..	..	..	..	..	..	..	..
7658	11,264 07	1	100 00	1	30 00	1	15 00	..	..	..	..
7659	71,280 99	3	250 00	..	..	2	130 00	1	55 00	..	..
7660	2,021 65	1	65 00	..	..	..	..	..	..	..	..
7661	75,617 41	1	150 00	..	..	1	40 00	1	40 00	..	..
7662	32,845 54	1	125 00	..	..	1	75 00	..	..	1	25 00
7663†	507,476 20	5	698 00	..	..	..	..	2	168 00	..	..
664	665 00	..	..	..	..	..	..	..	..	..	..
927	77,632 03	1	112 50	..	..	1	60 00	..	..	..	..
080	36,049 38	1	100 00	2	266 70	1	75 00	..	..	1	30 00
8123	5,779 26	3	300 00	..	..	1	50 00	..	..	..	..
8163	88,711 15	2	250 00	1	200 00	1	100 00	1	83 33	1	50 00
Totals...21	\$1,727,906 02	25	\$3,050 50	7	\$1,013 40	16	\$1,080 00	10	\$706 33	6	\$295 00

*2 mines.

†4 mines.

TABLE IV8—COAL MINING—HARRISON COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7670	\$210 00	..	.....	..	.....	..	.....	..	.....	..	.....
7671	2,441 76	..	.....	..	.....	..	.....	..	.....	..	.....
7673	414 00	..	.....	..	.....	..	.....	..	.....	..	.....
7674	22,014 00	2	\$135 00	..	.....	1	\$50 00	..	.....	..	.....
7675	140 00	..	.....	..	.....	..	.....	..	.....	..	.....
7676	207,942 50	1	135 00	2	\$200 00	1	60 00	2	\$90 00	1	\$40 00
7677	30 00	..	.....	..	.....	..	.....	..	.....	..	.....
7679	35 00	..	.....	..	.....	..	.....	..	.....	..	.....
7680	1,500 00	..	.....	..	.....	..	.....	..	.....	..	.....
8103	20,394 61	1	100 00	..	.....	..	.....	..	.....	..	.....
Totals...10	\$255,121 87	4	\$370 00	2	\$200 00	2	\$110 00	2	\$90 00	1	\$40 00

TABLE IV₉—COAL MINING—HOCKING COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7519	\$9,000 00	1	\$75 00	..	.....	1	\$50 00	..	.....	1	\$30 00
7685*	559,167 14	1	200 00	1	\$150 00	4	325 00	4	\$240 00	1	60 00
7688*	233,602 75	..	.....	..	.....	..	.....	..	.....	..	.....
7689†	914,608 71	1	416 66	5	925 00	3	325 00	8	503 33	2	110 00
7690	21,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
8170	9,600 00	1	75 00	..	.....	1	20 00	..	.....	..	.....
Totals...17	\$1,746,978 60	4	\$766 66	6	\$1,075 00	9	\$720 00	12	\$743 33	4	\$200 00

*4 Mines.

†6 Mines.

TABLE IV₁₀—COAL MINING—HOLMES COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7696	\$2,800 00	..	.....	..	.....	..	.....	..	.....	..	.....
7697	524 10	..	.....	..	.....	..	.....	..	.....	..	.....
7698	1,800 00	..	.....	1	\$ 35 00	1	\$ 25 00	..	.....	..	.....
7699	4,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7701	600 00	..	.....	..	.....	..	.....	..	.....	..	.....
8105	15,990 92	..	.....	..	.....	..	.....	1	\$ 32 00	..	.....
Totals.....	\$25,715 02	..	.....	1	\$35 00	1	\$25 00	1	\$32 00	..	.....

TABLE IV_{II}—COAL MINING—JACKSON COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7705	\$152,623 00	1	\$125 00	1	\$125 00	1	\$100 00	1	\$75 00	1	.....
7706	53,346 00	1	250 00	1	125 00	1	100 00	1	.....	1	\$65 00
7707*	39,663 11	1	100 00	1	125 00	1	50 00	1	30 00	1	.....
7708	3,505 64	1	60 50	1	.....	1	.....	1	.....	1	.....
7709	10,119 05	1	75 00	1	.....	1	25 00	1	.....	1	.....
7710*	101,921 39	3	595 00	2	415 00	2	220 00	3	305 00	2	150 00
7712	23,496 16	1	75 00	1	.....	1	55 00	1	.....	1	.....
7713*	9,118 00	1	75 00	1	.....	1	60 00	1	.....	1	.....
7714	9,103 47	1	75 00	1	.....	1	.....	1	.....	1	.....
7715	8,837 00	1	.....	1	.....	1	.....	1	.....	1	.....
7716	10,800 00	2	150 00	1	125 00	1	75 00	1	75 00	1	.....
7718†	156,996 00	1	100 00	2	225 00	5	321 25	1	.....	1	30 00
7719	2,920 00	1	60 00	1	.....	1	.....	1	.....	1	.....
7720†	202,320 73	1	625 00	2	275 00	2	200 00	1	75 00	1	35 00
7721†	807,227 20	1	125 00	1	75 00	7	420 00	2	215 00	1	60 00
7722	918 00	1	.....	1	.....	1	.....	1	.....	1	.....
7723	1,000 00	1	.....	1	.....	1	.....	1	.....	1	.....
7724	98,983 66	1	110 00	1	.....	1	50 00	1	.....	1	.....
7725	26,531 00	1	100 00	1	.....	1	50 00	1	.....	1	.....
7726	18,000 00	1	60 00	1	75 00	1	35 00	1	.....	1	.....
7729	16,892 47	1	100 00	1	75 00	1	75 00	1	.....	1	.....
7731*	62,000 00	1	400 00	2	200 00	2	160 00	1	45 00	1	30 00
7732	79,483 48	1	150 00	1	125 00	1	100 00	1	60 00	1	.....
7733	7,544 30	1	100 00	1	.....	1	.....	1	.....	1	.....
7734	8,200 00	1	50 00	1	.....	1	50 00	1	.....	1	.....
7735	16,096 00	1	85 00	1	100 00	1	60 00	1	45 00	1	.....
7736	400 00	1	.....	1	.....	1	.....	1	.....	1	.....
7739	25,000 00	1	75 00	1	75 00	1	50 00	1	.....	1	50 00
7740*	16,000 00	1	65 00	1	75 00	1	45 00	1	40 00	1	.....
7741	2,160 00	1	.....	1	.....	1	.....	1	.....	1	.....
7742	8,541 68	1	60 00	1	.....	1	.....	1	.....	1	.....
7746	11,144 00	1	55 00	1	.....	1	.....	1	.....	1	.....
8132	6,563 26	1	.....	1	.....	1	.....	1	.....	1	100 00
8173	13,538 94	2	115 00	1	.....	1	.....	1	.....	1	.....
8175	30,110 44	1	83 33	1	.....	1	.....	1	.....	1	.....
8177	4,500 00	1	.....	1	.....	1	.....	1	.....	1	.....
8178	13,740 12	1	70 00	1	.....	1	60 00	1	40 00	1	.....
8179	8,291 00	1	100 00	1	.....	1	50 00	1	35 00	1	.....
Totals...55	\$2,067,635 10	35	\$4,268 83	19	\$2,215 00	36	\$2,411 25	15	\$1,040 00	9	\$520 00

*2 Mines.

†3 Mines.

†9 Mines.

TABLE IV₁₂—COAL MINING—JEFFERSON COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7750	\$1,372 80	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
7751*	589,355 00	1	\$200 00	.....	.....	.....	.....	5	\$265 00	.....	.....
7752	58,254 83	1	125 00	.....	.....	1	\$100 00	1	50 00	1	\$25 00
7753	10,204 81	1	80 00	.....	.....	1	33 34	.....	.....	.....	.....
7754	20,000 00	1	80 00	.....	.....	.....	.....	.....	.....	.....	.....
7755	3,354 22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7756	5,822 85	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7757	3,500 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7758	300 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7759	2,000 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7760	450 38	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7761	500 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7762	36,000 00	1	115 00	1	\$85 00	.....	.....	.....	.....	.....	.....
7764†	162,631 36	1	300 00	.....	.....	1	60 00	.....	.....	1	50 00
7765	110,768 78	1	100 00	.....	.....	1	75 00	.....	.....	.....	.....
7766	650 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7767†	209,596 42	1	150 00	.....	.....	1	65 00	.....	.....	1	35 00
7767‡	38,107 00	1	150 00	.....	.....	.....	.....	1	35 00	.....	.....
7768	600 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7771	90,000 00	1	100 00	.....	.....	.....	.....	1	60 00	.....	.....
7772	3,000 00	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
7773	44,560 00	1	125 00	.....	.....	1	25 00	.....	.....	.....	.....
7775	42,500 00	1	100 00	1	75 00	1	90 00	1	50 00	1	40 00
7778	63,703 77	1	135 00	2	200 00	1	60 00	2	90 00	1	40 00
8181	60,000 00	1	90 00	.....	.....	.....	.....	.....	.....	.....	.....
8184‡	134,185 77	1	250 00	1	208 33	1	152 78	3	150 00	1	50 00
8185	80,385 54	2	285 00	.....	.....	.....	.....	1	67 57	.....	.....
8186	23,040 00	1	100 00	1	125 00	.....	.....	1	40 00	.....	.....
Totals.. 40	\$1,794,843 53	18	\$2,485 00	6	\$693 33	9	\$661 12	16	\$807 57	6	\$240 00

*3 mines.

†2 mines.

‡9 mines.

TABLE IV₁₃—COAL MINING—LAWRENCE COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7779	\$925 00	..	.....	..	.....	..	.....	..	.....	..	.....
7780*	44,625 00	1	\$65 00	1	\$90 00	1	\$40 00	1	\$35 00	..	.....
7781	6,750 00	..	.....	..	.....	..	.....	..	.....	..	.....
7782	25,680 00	1	80 00	..	.....	..	.....	2	100 00	..	.....
7783	80 00	..	.....	..	.....	..	.....	..	.....	..	.....
7784	4,500 00	..	.....	..	.....	..	.....	..	.....	..	.....
8118	600 00	..	.....	..	.....	..	.....	..	.....	..	.....
8127†	86,900 92	1	125 00	2	112 50	1	60 00	1	40 00	1	20 00
Totals...14	\$170 060 92	3	\$270 00	3	\$202 50	2	\$100 00	4	\$175 00	1	\$20 00

*2 mines.

†6 mines.

TABLE IV₁₄—COAL MINING—MAHONING COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7788	\$48,000 00	1	\$100 00	..	.....	1	\$30 00	..	.....	..	.....
7789	3,650 00	..	.....	..	.....	..	.....	..	.....	..	.....
7790	1,500 00	..	.....	..	.....	..	.....	..	.....	..	.....
7791	5,976 00	1	52 00	1	\$52 00	1	40 00	..	.....	..	.....
7792	3,145 00	..	.....	..	.....	..	.....	..	.....	..	.....
7793	2,471 17	..	.....	..	.....	..	.....	..	.....	..	.....
7794	800 00	..	.....	..	.....	..	.....	..	.....	..	.....
7795	2,275 00	..	.....	..	.....	..	.....	..	.....	..	.....
7797	28,930 44	1	120 00	..	.....	1	30 00	..	.....	..	.....
7798	2,328 15	..	.....	..	.....	..	.....	..	.....	..	.....
7799	600 00	..	.....	..	.....	..	.....	..	.....	..	.....
7800	1,684 80	..	.....	..	.....	..	.....	..	.....	..	.....
8194	2,689 00	..	.....	..	.....	..	.....	..	.....	..	.....
Totals...13	\$104,049 56	3	\$272 00	1	\$52 00	3	\$100 00	..	.....	..	.....

TABLE IV₁₅—COAL MINING—MEDINA COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7805	\$7,659 52	1	\$75 00	..	.....	1	\$45 00	..	.....	..	.....
7806	7,550 93	..	.....	..	.....	..	.....	..	.....	..	.....
7807*	109,995 00	1	200 00	1	150 00	1	75 00	..	.....	1	\$60 00
7809	3,026 05	..	.....	..	.....	..	.....	..	.....	..	.....
7810	4,375 00	..	.....	..	.....	..	.....	..	.....	..	.....
7811	24,003 26	1	60 00	..	.....	..	.....	..	.....	..	.....
Totals.....9	\$156,609 76	3	\$335 00	1	\$150 00	2	\$120 00	..	.....	1	\$60 00

*4 mines.

TABLE IV16—COAL MINING—MEIGS COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7817	\$26,000 00	1	\$60 00	..	.....	1	\$50 00	..	.....	..	.....
7818	54,099 07	1	50 00	..	.....	1	50 00	..	.....	..	.....
7819	800 00	..	.....	..	.....	..	.....	..	.....	..	.....
7820	3,500 00	..	.....	..	.....	..	.....	..	.....	..	.....
7821*	3,193 75	..	.....	..	.....	..	.....	..	.....	..	.....
7823	15,157 52	..	.....	..	.....	..	.....	1	\$20 00	..	.....
7824	3,500 00	..	.....	..	.....	..	.....	..	.....	..	.....
7825	1,168 25	..	.....	..	.....	..	.....	..	.....	..	.....
7826	775 00	..	.....	..	.....	..	.....	..	.....	..	.....
8199	48,620 72	1	75 00	1	\$50 00	1	75 00	..	.....	..	.....
12202	27,620 24	1	100 00	1	75 00	1	60 00	..	.....	..	.....
12203	6,000 00	1	85 00	..	.....	1	50 00	..	.....	..	.....
12204	12,000 00	1	100 00	..	.....	1	50 00	..	.....	..	.....
12207	15,340 00	..	.....	..	.....	..	.....	..	.....	..	.....
Totals... 15	\$217,774 55	6	\$470 00	2	\$125 00	6	\$335 00	1	\$20 00	..	.....

*2 mines.

TABLE IV₁₇—COAL MINING—MORGAN COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7833	\$18,925 37	1	\$75 00	1	\$75 00	1	\$75 00	1	.....	..	.....
12208	54,056 09	1	100 00	..	.....	..	.....	1	\$50 00	..	.....
Totals....2	\$72,981 46	2	\$175 00	1	\$75 00	1	\$75 00	1	\$50 00	..	.....

TABLE IV18—COAL MINING—MUSKINGUM COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7836	\$5,100 00	..	..	..	..	..	..	..	..	..	..
7837	1,906 07	..	..	..	..	..	..	..	..	..	..
7839	613 00	..	..	..	..	..	..	..	..	..	..
7841	629 47	..	..	..	..	..	..	..	..	..	..
7842	750 10	..	..	..	..	..	..	..	..	..	..
7843	400 00	..	..	..	..	..	..	..	..	..	..
7844	235 80	..	..	..	..	..	..	..	..	..	..
7845	2,500 00	..	..	..	..	..	..	..	..	..	..
7846	6,917 74	1	\$60 00	..	..	..	..	..	..	..	..
7848	14,496 08	1	50 00	..	..	1	\$50 00	..	..	..	..
7849	392 00	..	..	..	..	..	..	..	..	..	..
7850	945 00	..	..	..	..	..	..	..	..	..	..
7851	1,000 00	..	..	..	..	..	..	..	..	..	..
7852	964 00	..	..	..	..	..	..	..	..	..	..
7854	900 00	..	..	..	..	..	..	..	..	..	..
7855	1,500 00	..	..	..	..	..	..	..	..	..	..
7856	700 00	..	..	..	..	..	..	..	..	..	..
7857	720 00	1	40 00	..	..	..	..	..	..	..	..
7858	3,000 00	..	..	..	..	..	..	..	..	..	..
7859	1,250 00	..	..	..	..	..	..	..	..	..	..
7861	1,000 00	..	..	..	..	..	..	..	..	..	..
7863	630 00	..	..	..	..	..	..	..	..	..	..
7864	899 36	..	..	..	..	..	..	..	..	..	..
7865	560 00	..	..	..	..	..	..	..	..	..	..
7866	3,600 00	..	..	..	..	..	..	..	..	..	..
7867	6,600 00	..	..	1	\$50 00	..	..	..	..	..	..
7868	2,400 00	..	..	..	..	..	..	..	..	..	..
7869	576 00	..	..	..	..	..	..	..	..	..	..
7870	1,700 00	..	..	..	..	..	..	..	..	..	..
7871	2,000 00	..	..	..	..	..	..	..	..	..	..
7873	579 00	..	..	..	..	..	..	..	..	..	..
7874	1,753 00	..	..	..	..	..	..	..	..	..	..
7876	900 00	..	..	..	..	..	..	..	..	..	..
7877	2,400 00	..	..	..	..	..	..	..	..	..	..
7878*	74,684 94	1	100 00	1	80 00	1	60 00	..	..	1	\$40 00
7879	16,547 01	1	100 00	..	..	1	40 00	1	\$20 00	..	..
7881	1,500 00	..	..	..	..	..	..	..	..	..	..
8153	20,000 00	1	60 00	..	..	..	..	..	..	1	30 00
12210	15,199 04	1	80 00	..	..	1	40 00	..	..	..	..
Totals...41	\$198,447 61	7	\$490 00	2	\$130 00	4	\$190 00	1	\$20 00	2	\$70 00

*3 mines.

TABLE IV₁₉—COAL MINING—NOBLE COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7885	\$200 00	..	.....	..	.....	..	.....	..	.....	..	.....
7887	300 00	..	.....	..	.....	..	.....	..	.....	..	.....
7888	80 00	..	.....	..	.....	..	.....	..	.....	..	.....
7889	500 00	..	.....	..	.....	..	.....	..	.....	..	.....
7890	149 16	..	.....	..	.....	..	.....	..	.....	..	.....
7891	500 00	..	.....	..	.....	..	.....	..	.....	..	.....
7894	600 00	..	.....	..	.....	..	.....	..	.....	..	.....
7896	400 00	..	.....	..	.....	..	.....	..	.....	..	.....
7897	225 00	..	.....	..	.....	..	.....	..	.....	..	.....
7899	240 00	..	.....	..	.....	..	.....	..	.....	..	.....
7900	80 00	..	.....	..	.....	..	.....	..	.....	..	.....
7901	430 50	..	.....	..	.....	..	.....	..	.....	..	.....
7902	279 72	..	.....	..	.....	..	.....	..	.....	..	.....
7903	1,800 00	..	.....	..	.....	..	.....	..	.....	..	.....
Totals...14	\$5,784 38	..	.....	..	.....	..	.....	..	.....	..	.....

TABLE IV₂₀—COAL MINING—PERRY COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7543	\$ 34,600 59										
7913	78,786 04	1	\$150 00	1	\$125 00	1	\$75 00	1	\$65 00	1	\$50 00
7913½	73,208 85					1	75 00	1	55 00		
7914*	390,599 00										
7915	12,914 30										
7916	60,463 24	1	69 58	2	150 00	1	69 58				
7917	46,204 69			1	125 00	1	65 00	1	55 00		
7918†	147,933 79	5	416 65	1	125 00	1	125 00	2	95 00	1	25 00
7920	608 21										
7921	500 00										
7922	200 00										
7923	150 00										
7924	240 00										
7925	300 00										
7926	8,000 00										
7927½	80,230 73	1	90 00					1	40 00		
7928	4,000 00										
7930	3,493 64										
7932	105,893 90	1	100 00					3	165 00		
7933	155,221 30	1	150 00			2	165 00	3	155 00	4	155 00
7935†	56,423 47	2	300 00	1	125 00	2	150 00	2	90 00	1	50 00
7936	595 20										
7937	16,582 59					1	60 00				
7938	88,062 22	1	100 00			1	75 00				
7939½	17,445 26										
7940	87,100 00	1	100 00	1	100 00	2	150 00	1	75 00	1	50 00
7940½	17,389 17										
7941	40,632 86	1	75 00	1	75 00					1	40 00
7941½	61,716 90					1	65 00	1	60 00		
7942	8,770 30					1	30 00				
7942½	52,006 82					1	75 00	1	65 00		
7943	49,940 54	1	75 00	1	60 00					1	40 00
7943½	143,332 55					1	75 00	1	55 00		
7944	60,660 00	1	100 00			1	75 00				
7946	1,100 00										
7948	2,435 91										
12216	39,496 70	1	100 00			1	40 00	1	20 00		
12217	8,770 30					1	30 00				
12218	28,500 00										
12219	20,870 16	1	65 00			1	65 00				
12220†	65,055 13	1	200 00			2	125 00				
12221	50,123 31	1	80 00					1	60 00		
Totals...49	\$2,120,557 67	21	\$2,171 23	9	\$885 00	23	\$1,589 58	20	\$1,055 00	10	\$410 00

*3 mines.
†4 mines.
‡2 mines.

TABLE IV_{2I}—COAL MINING—PORTAGE COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7953*	\$104,066 00	1	\$150 00	1	\$125 00	1	\$110 00	1	\$50 00	1	\$35 00.
Totals....2											

*2 mines.

TABLE IV₂₂—COAL MINING—SCIOTO COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7956*	\$11,401 56	1	\$60 00	..	.....	..	.....	..	.....	..	.....
7957	175 00	..	.....	..	.....	..	.....	..	.....	..	.....
Totals....3	\$11,576 56	1	\$60 00	..	.....	..	.....	..	.....	..	.....

*2 mines.

TABLE IV₂₃—COAL MINING—STARK COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7962	\$35,420 98	1	\$90 00	1	\$100 00	1	50 00	1	\$40 00	1	\$16 00
7964*	31,000 00	1	50 00	1	100 00	1	50 00	1	40 00	1	35 00
7965	51,800 00	1	80 00	1	100 00	1	50 00	1	40 00	1	35 00
7967	1,300 00	1	50 00	1	100 00	1	50 00	1	40 00	1	35 00
7968	5,000 00	1	50 00	1	100 00	1	50 00	1	40 00	1	35 00
7969	2,237 43	1	50 00	1	100 00	1	50 00	1	40 00	1	35 00
7970	950 00	1	50 00	1	100 00	1	50 00	1	40 00	1	35 00
7971	825 00	1	50 00	1	100 00	1	50 00	1	40 00	1	35 00
7972	960 00	1	50 00	1	100 00	1	50 00	1	40 00	1	35 00
7973	3,200 00	1	50 00	1	100 00	1	50 00	1	40 00	1	35 00
7975	1,645 70	1	50 00	1	100 00	1	50 00	1	40 00	1	35 00
7976	2,700 00	1	50 00	1	100 00	1	50 00	1	40 00	1	35 00
7978	800 00	1	50 00	1	100 00	1	50 00	1	40 00	1	35 00
7979	100 00	1	50 00	1	100 00	1	50 00	1	40 00	1	35 00
7980	2,000 00	1	50 00	1	100 00	1	50 00	1	40 00	1	35 00
7981	515 00	1	50 00	1	100 00	1	50 00	1	40 00	1	35 00
7982	22,001 27	1	83 33	1	100 00	1	50 00	1	73 33	1	35 00
7983†	620,088 99	17	2,000 00	4	400 00	5	400 00	1	400 00	1	75 00
7984	30,049 00	1	80 00	1	100 00	1	50 00	1	50 00	1	35 00
7986	18,733 00	1	50 00	1	100 00	1	50 00	1	50 00	1	35 00
7987	2,258 46	1	50 00	1	100 00	1	50 00	1	50 00	1	35 00
7988	1,800 00	1	50 00	1	100 00	1	50 00	1	50 00	1	35 00
7989	560 00	1	50 00	1	100 00	1	50 00	1	50 00	1	35 00
7990	120 00	1	50 00	1	100 00	1	50 00	1	50 00	1	35 00
7991	1,200 00	1	50 00	1	100 00	1	50 00	1	50 00	1	35 00
7992	500 00	1	50 00	1	100 00	1	50 00	1	50 00	1	35 00
7993	40,097 92	1	150 00	1	100 00	1	100 00	1	75 00	1	600 00
7994	11,617 14	1	125 00	1	100 00	1	83 33	1	75 00	1	55 00
7995	23,506 08	1	125 00	1	100 00	1	100 00	1	60 00	1	50 00
7996	26,514 47	1	150 00	2	200 00	1	100 00	2	150 00	1	60 00
7996½	5,791 56	1	150 00	1	100 00	1	100 00	2	100 00	1	45 00
12226	9,600 00	1	50 00	1	100 00	1	50 00	1	50 00	1	35 00
12227	6,200 00	1	50 00	1	100 00	1	50 00	1	50 00	1	35 00
12228	5,500 00	1	50 00	1	100 00	1	50 00	1	50 00	1	35 00
12236	6,314 12	1	60 00	1	100 00	1	50 00	1	50 00	1	35 00
12238	5,056 00	1	75 00	1	100 00	1	50 00	1	50 00	1	35 00
Totals...50	\$977,962 12	30	\$3,238 33	7	\$700 00	14	1,074 33	15	\$1,023 33	8	\$396 00

*2 mines.

†14 mines.

TABLE IV₂₄—COAL MINING—SUMMIT COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7997	\$1,756 00	..	.....	..	.....	..	.....	..	.....	..	.....
7998	1,352 40	..	.....	..	.....	..	.....	..	.....	..	.....
7999	7,459 00	..	.....	..	.....	..	.....	..	.....	..	.....
8000	1,600 00	..	.....	..	.....	..	.....	..	.....	..	.....
8002	2,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
Totals....5	\$14,167 40	..	.....	..	.....	..	.....	..	.....	..	.....

TABLE IV₂₅—COAL MINING—TRUMBULL COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
8009	\$9,202 65	1	\$60 00	1	\$75 00	1	\$100 00	1	\$65 00	1	\$50 00
8010	525 00	..	.....	..	.....	..	.....	..	.....	..	.....
8011	1,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
Totals....3	\$10,727 65	1	\$60 00	1	\$75 00	1	\$100 00	1	\$65 00	1	\$50 00

TABLE IV 26—COAL MINING—TUSCARAWAS COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
8015	\$ 42,000 00	1	\$100 00	..	.....	1	\$50 00	1	\$40 00	1	\$35 00
8016*	96,000 00	2	266 66	..	.....	1	150 00	2	90 00	1	40 00
8017	3,168 72	..	.....	..	.....	..	.....	..	.....	..	.....
8018	95,437 00	1	100 00	..	.....	1	50 00	..	.....	..	.....
8019	9,300 00	..	.....	..	.....	..	.....	..	.....	..	.....
8020	8,500 00	1	75 00	..	.....	..	.....	..	.....	..	.....
8021	40,500 00	1	75 00	1	\$70 00	1	50 00	1	50 00	..	.....
8022	10,000 00	..	.....	1	25 00	..	.....	..	.....	..	.....
8023	26 387 00	1	80 00	..	.....	..	.....	..	.....	..	.....
8024	4,813 97	1	26 00	..	.....	..	.....	..	.....	..	.....
8026	2,590 00	..	.....	..	.....	..	.....	..	.....	..	.....
8027	1,115 00	..	.....	..	.....	..	.....	..	.....	..	.....
8029	600 00	..	.....	..	.....	..	.....	..	.....	..	.....
8030	5,304 31	..	.....	..	.....	..	.....	..	.....	..	.....
8031†	118,288 03	..	.....	..	.....	1	75 00	..	.....	1	40 00
8034	3,700 00	..	.....	..	.....	..	.....	..	.....	..	.....
8035	3,215 84	..	.....	..	.....	..	.....	..	.....	..	.....
8036	3,134 00	..	.....	..	.....	..	.....	..	.....	..	.....
8037‡	175,826 02	1	100 00	..	.....	1	75 00	3	150 00	..	.....
8038	36,786 02	1	50 00	..	.....	1	50 00	..	.....	..	.....
8039	4,080 00	..	.....	..	.....	..	.....	..	.....	..	.....
8040	580 00	..	.....	..	.....	..	.....	..	.....	..	.....
8041	510 00	..	.....	..	.....	..	.....	..	.....	..	.....
8043†	26,155 27	2	135 00	..	.....	1	40 00	..	.....	..	.....
8044	4,250 00	1	90 00	..	.....	..	.....	..	.....	..	.....
8046	372 00	..	.....	..	.....	..	.....	..	.....	..	.....
8047	270 00	..	.....	..	.....	..	.....	..	.....	..	.....
8049	17,624 24	2	210 00	..	.....	..	.....	..	.....	..	.....
8051	16,348 00	2	200 00	1	100 00	1	100 00	1	40 00	..	.....
8090	106,252 04	1	125 00	..	.....	1	100 00	..	.....	1	50 00
8124	47,952 12	2	200 00	1	100 00	1	55 00	..	.....	..	.....
12244	38,756 00	1	85 00	..	.....	1	10 00	..	.....	..	.....
12245	38,000 00	1	90 00	..	.....	1	75 00	..	.....	..	.....
12247‡	37,063 00	1	69 00	..	.....	..	.....	..	.....	..	.....
Totals...42	\$1,024,878 58	23	\$2,076 66	4	\$295 00	13	\$880 00	8	\$370 00	4	\$165 00

*4 mines.

†3 mines.

‡2 mines.

TABLE IV₂₇—COAL MINING—VINTON COUNTY.

Schedule Number.	Total amount paid in wages during year 1908.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
8053*	\$19,400 00	1	\$60 00	1	\$75 00	1	\$50 00	1	\$40 00	..	.....
8054	51,000 00	1	100 00	..	.....	1	75 00	..	.....	..	.....
8055	9,486 87	1	50 00	..	.....	1	50 00	1	20 00	..	.....
8056	5,280 00	1	50 00	1	50 00	..	.....	..	.....	..	.....
8057	24,320 00	1	100 00	..	.....	..	.....	..	.....	1	\$50 00
8113	27,742 35	..	.....	1	.....	..	.....	..	.....	..	.....
8135	12,000 00	1	100 00	1	75 00	1	40 00	..	.....	..	.....
12252	2,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
Totals....9	\$151,229 22	6	\$460 00	3	\$200 00	4	\$215 00	2	\$60 00	1	\$50 00

*2 mines.

TABLE IV₂₉—COAL MINING—WAYNE COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
8067	\$5,845 59	1	\$100 00	1	\$150 00	1	\$100 00	..	.....	..	.....
8070	39,960 00	1	200 00	..	.....	..	.....	..	.....	..	.....
8071	33,855 48	2	200 00	..	.....	1	50 00	2	\$100 00	..	.....
8072	17,137 70	1	80 00	..	.....	..	.....	..	.....	..	.....
Totals....4	\$96,798 77	5	\$580 00	1	\$150 00	2	\$150 00	2	\$100 00	..	.....

TABLE V—COAL MINING.

Giving by Counties Total Number of Mines Reported, Total Number Employed Each Month and Monthly Average for the Year 1903.

Counties.	Number of Mines reported,	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Athens.....	40	5,475	...	5,492	...	5,483	...	5,439	...	5,289	....
Belmont.....	48	2,796	...	2,855	...	2,855	...	3,035	...	3,102	....
Carroll.....	11	696	...	692	...	699	...	706	...	692	....
Columbiana.....	35	1,268	...	1,339	...	1,354	...	1,349	...	1,346	....
Coshocton.....	15	852	...	862	...	886	...	882	...	921	....
Gallia.....	1	50	...	50	...	51	...	48	...	43	....
Guernsey.....	21	2,552	...	2,568	...	2,537	...	2,553	...	2,548	....
Harrison.....	10	508	...	505	...	489	...	487	...	465	....
Hocking.....	17	2,913	...	2,907	...	2,909	...	2,916	...	2,928	....
Holmes.....	6	79	...	73	...	62	...	67	...	63	....
Jackson.....	55	4,070	...	4,025	...	3,975	...	3,621	...	3,599	....
Jefferson.....	40	2,971	...	2,976	...	3,140	...	3,342	...	3,362	....
Lawrence.....	14	393	...	386	...	388	...	370	...	378	....
Mahoning.....	13	183	...	182	...	172	...	161	...	151	....
Medina.....	9	279	...	279	...	284	...	274	...	272	....
Meigs.....	15	580	...	573	...	647	...	613	...	628	....
Morgan.....	2	106	...	107	...	105	...	108	...	110	....
Muskingum.....	41	502	...	490	...	486	...	445	...	439	....
Noble.....	14	27	...	27	...	20	...	14	...	14	....
Perry.....	49	4,505	...	4,513	...	4,474	...	4,494	...	4,541	....
Portage.....	2	172	...	168	...	168	...	165	...	160	....
Scioto.....	3	39	...	35	...	30	...	21	...	21	....
Stark.....	50	2,131	...	2,126	...	2,088	...	1,783	...	1,752	....
Summit.....	5	50	...	48	...	38	...	29	...	18	....
Trumbull.....	3	30	...	30	...	29	...	24	...	20	....
Tuscarawas.....	42	1,800	...	1,791	...	1,783	...	1,767	...	1,757	....
Vinton.....	9	340	...	349	...	331	...	289	...	306	....
Washington.....	1	5	...	5	...	5	...	5	...	3	....
Wayne.....	4	248	...	248	...	248	...	181	...	181	....
Totals and averages.....	575	35,620	...	35,701	...	35,736	...	35,188	...	35,089	....

TABLE V—COAL MINING—Concluded.

Giving by Counties Total Number of Mines Reported, Total Number Employed Each Month and Monthly Average for the Year 1903.

June.		July.		August.		September.		October.		November.		December.		Monthly Average.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
5 375	...	5 425	...	5 452	...	5 448	...	5 446	...	5 447	...	5 402	...	5 431	.....
3 193	...	3 270	...	3 310	...	3 431	...	3 478	...	3 540	...	3 691	...	3 213	.....
695	...	694	...	698	...	693	...	702	...	703	...	705	...	698	.....
1 310	...	1 316	...	1 285	...	1 319	...	1 337	...	1 374	...	1 354	...	1 329	.....
917	...	909	...	890	...	911	...	893	...	915	...	924	...	897	.....
45	...	50	...	46	...	41	...	41	...	38	...	53	...	46	.....
2 603	...	2 619	...	2 697	...	2 713	...	2 767	...	2 812	...	2 744	...	2 643	.....
454	...	403	...	418	...	431	...	439	...	440	...	443	...	457	.....
2 937	...	2 938	...	2 941	...	2 935	...	2 930	...	2 935	...	2 923	...	2 926	.....
57	...	56	...	57	...	57	...	54	...	57	...	57	...	62	.....
3 614	...	3 678	...	3 975	...	4 021	...	4 000	...	3 988	...	4 080	...	3 887	.....
3 374	...	3 869	...	3 940	...	3 964	...	4 162	...	4 335	...	4 419	...	3 654	.....
391	...	337	...	369	...	382	...	393	...	351	...	390	...	376	.....
143	...	154	...	165	...	182	...	190	...	199	...	194	...	173	.....
274	...	273	...	274	...	274	...	277	...	277	...	288	...	277	.....
556	...	649	...	650	...	723	...	708	...	707	...	656	...	641	.....
119	...	121	...	123	...	124	...	138	...	141	...	140	...	120	.....
431	...	438	...	426	...	443	...	473	...	478	...	464	...	459	.....
15	...	13	...	19	...	27	...	33	...	22	...	21	...	21	.....
4 642	...	4 671	...	4 523	...	4 550	...	4 707	...	4 791	...	4 836	...	4 604	.....
160	...	160	...	168	...	170	...	172	...	172	...	172	...	167	.....
26	...	36	...	45	...	36	...	37	...	38	...	38	...	34	.....
1 702	...	1 670	...	1 959	...	1 994	...	1 970	...	2 008	...	1 959	...	1 929	.....
21	...	19	...	25	...	36	...	42	...	42	...	44	...	34	.....
19	...	17	...	19	...	21	...	26	...	31	...	33	...	25	.....
1 783	...	1 777	...	1 766	...	1 874	...	1 915	...	1 884	...	1 937	...	1 819	.....
298	...	306	...	343	...	354	...	364	...	371	...	369	...	335	.....
2	...	2	...	2	...	3	...	5	...	5	...	5	...	4	.....
107	...	107	...	174	...	174	...	224	...	248	...	248	...	199	.....
35,263	...	35,977	...	36,759	...	37,331	...	37,923	...	38,349	...	38,589	...	36,460	.....

TABLE VI—COAL MINING.

GIVING NUMBER EMPLOYED EACH MONTH FOR THE YEAR 1903.

TABLE VII—COAL MINING—ATHENS COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7500	104	.....	102	.....	98	.....	97	.....	95	.....
7501*	219	.....	213	.....	225	.....	210	.....	210	.....
7502	300	.....	310	.....	310	.....	310	.....	310	.....
7502½	318	.....	320	.....	320	.....	322	.....	330	.....
7503*	627	.....	630	.....	597	.....	574	.....	453	.....
7504	19	.....	19	.....	19	.....	19	.....	19	.....
7505	6	.....	8	.....	11	.....	10	.....	4	.....
7506†	2,547	.....	2,547	.....	2,547	.....	2,547	.....	2,547	.....
7508	1	.....	1	.....	1	.....	1	.....	1	.....
7509	3	.....	3	.....	3	.....	3	.....	3	.....
7513	176	.....	181	.....	185	.....	183	.....	179	.....
7515	233	.....	225	.....	233	.....	247	.....	241	.....
7516	171	.....	171	.....	171	.....	171	.....	171	.....
7517	36	.....	32	.....	38	.....	40	.....	39	.....
7518	58	.....	72	.....	71	.....	71	.....	61	.....
7521	65	.....	65	.....	60	.....	50	.....	30	.....
7522	13	.....	13	.....	13	.....	13	.....	13	.....
7524	157	.....	154	.....	160	.....	162	.....	155	.....
7526	32	.....	34	.....	33	.....	36	.....	30	.....
8137	15	.....	15	.....	15	.....	15	.....	15	.....
8138	98	.....	98	.....	98	.....	98	.....	98	.....
8139	38	.....	38	.....	38	.....	38	.....	38	.....
8140	18	.....	18	.....	18	.....	18	.....	18	.....
8142	180	.....	182	.....	190	.....	175	.....	200	.....
8168	29	.....	29	.....	29	.....	29	.....	29	.....
8081 .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
8084	12	.....	12	.....	.....	.....	.....	.....	.....	.....
Totals.....40	5,475	.....	5,492	.....	5,483	.....	5,439	.....	5,289	.....

*2 mines.

†12 mines.

TABLE VII.—COAL MINING—ATHENS COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
106	130	.....	128	.....	133	.....	181	.....	155	.....	144	.....
210	212	.....	215	.....	215	.....	225	.....	226	.....	230	.....
310	310	.....	310	.....	310	.....	310	.....	320	.....	322	.....
330	328	.....	340	.....	344	.....	338	.....	338	.....	340	.....
480	494	.....	479	.....	500	.....	445	.....	486	.....	453	.....
19	19	.....	19	.....	.....	.....	.....	.....	.....	.....	.....	.....
7	10	.....	5	.....	8	.....	7	.....	12	.....	11	.....
2,547	2,547	.....	2,547	.....	2,457	.....	2,547	.....	2,547	.....	2,547	.....
1
3	3	.....	3	.....	3	.....	3	.....	3	.....	3	.....
183	164	.....	169	.....	166	.....	162	.....	158	.....	160	.....
243	243	.....	252	.....	237	.....	226	.....	225	.....	209	.....
171	171	.....	171	.....	171	.....	171	.....	171	.....	171	.....
30	37	.....	34	.....	42	.....	42	.....	30	.....	34	.....
65	75	.....	88	.....	76	.....	107	.....	94	.....	107	.....
40	48	.....	59	.....	68	.....	70	.....	72	.....	60	.....
13	13	.....	13	.....	13	.....	13	.....	13	.....	13	.....
178	173	.....	178	.....	159	.....	153	.....	156	.....	157	.....
31	35	.....	33	.....	36	.....	38	.....	38	.....	37	.....
15	15	.....	15	.....	15	.....	15	.....	15	.....	15	.....
98	98	.....	98	.....	98	.....	98	.....	98	.....	98	.....
38	38	.....	38	.....	38	.....	38	.....	38	.....	38	.....
18	18	.....	18	.....	.....	.....	.....	.....	.....	.....	.....	.....
210	215	.....	211	.....	220	.....	208	.....	203	.....	204	.....
29	29	.....	29	.....	29	.....	29	.....	29	.....	29	.....
.....	20	.....	20	.....	20	.....
.....
5,375	5,425	.....	5,452	.....	5,448	.....	5,446	.....	5,447	.....	5,402	.....

TABLE VI₂—COAL MINING—BELMONT COUNTY.

Schedule Number.	January.		February.		March.		April.		May.		
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	
7536*	800	.....	850	.....	875	.....	950	.....	1,000	.....
7537	54	.....	54	.....	.....	.....	55	.....	55	.....
7539	102	.....	111	.....	110	.....	121	.....	132	.....
7540	80	.....	80	.....	80	.....	74	.....	74	.....
7541	34	.....	32	.....	30	.....	30	.....	28	.....
7542	174	.....	147	.....	160	.....	181	.....	176	.....
7544	10	.....	8	.....	8	.....	6	.....	5	.....
7545	1	.....	1	.....	1	.....	1	.....	1	.....
7546	3	.....	3	.....	3	.....	2	.....	2	.....
7547	6	.....	6	.....	6	.....	7	.....	7	.....
7548	3	.....	3	.....	3	.....	1	.....	1	.....
7549	6	.....	6	.....	6	.....	5	.....	5	.....
7550	7	.....	7	.....	7	.....	7	.....	7	.....
7551†	83	.....	93	.....	97	.....	101	.....	94	.....
7552†	8	.....	8	.....	8	.....	8	.....	.....	.....
7553	72	.....	75	.....	81	.....	98	.....	100	.....
7554	200	.....	195	.....	200	.....	190	.....	225	.....
7555†	11	.....	11	.....	11	.....	10	.....	10	.....
7556	476	.....	476	.....	476	.....	476	.....	476	.....
7557	350	.....	350	.....	350	.....	350	.....	350	.....
7558	.....	.....	.....	.....	.....	.....	4	.....	3	.....
7559	13	.....	15	.....	15	.....	4	.....	4	.....
7560	14	.....	14	.....	16	.....	16	.....	13	.....
7562	5	.....	4	.....	4	.....	3	.....	3	.....
7563†	14	.....	12	.....	16	.....	17	.....	17	.....
7568	6	.....	6	.....	6	.....	6	.....	6	.....
7569	2	.....	2	.....	2	.....	2	.....	.....	.....
7571	1	.....	1	.....	1	.....	1	.....	.....	.....
7573	88	.....	110	.....	100	.....	115	.....	107	.....
7574	.....	.....	.....	.....	.....	.....	6	.....	6	.....
7575	8	.....	8	.....	8	.....	8	.....	8	.....
8098	46	.....	48	.....	50	.....	56	.....	68	.....
8130	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
8145	10	.....	10	.....	10	.....	10	.....	8	.....
8147†	55	.....	55	.....	55	.....	55	.....	55	.....
8151	54	.....	54	.....	60	.....	59	.....	56	.....
8152	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals.....	48	2,796	2,855	2,855	3,035	3,102

*4 mines.
†2 mines.
‡3 mines.
†2 mines.
‡3 mines.

TABLE VI₂—COAL MINING—BELMONT—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
1,000	975	....	960	....	975	....	960	....	980	....	925	....
55	60	....	60	....	66	....	66	....	66	....	66	....
141	135	....	126	....	142	....	150	....	148	....	160	....
74	74	....	74	....	74	....	74	....	74	....	74	....
30	30	....	30	....	32	....	34	....	34	....	34	....
183	177	....	173	....	190	....	188	....	192	....	209	....
4	4	....	4	....	4	....	7	....	7	....	8	....
1	1	....	1	....	1	....	1	....	1	....	1	....
2	2	....	2	....	2	....	2	....	3	....	3	....
7	7	....	7	....	7	....	4	....	5	....	5	....
1	1	....	3	....	3	....	3	....	3	....	3	....
3	2	....	2	....	2	....	3	....	4	....	4	....
7	7	....	7	....	7	....	7	....	7	....	7	....
128	167	....	158	....	168	....	151	....	162	....	162	....
....	8	....	8	....	8	....	8	....	8	....
140	132	....	192	....	215	....	277	....	277	....	316	....
215	200	....	200	....	195	....	190	....	180	....	190	....
8	8	....	8	....	9	....	10	....	10	....	10	....
476	476	....	476	....	476	....	476	....	476	....	476	....
350	350	....	350	....	350	....	350	....	350	....	350	....
3	3	....	5	....	8	....	8	....	8	....	8	....
5	5	....	4	....	4	....	4	....	4	....	5	....
12	7	....	7	....	7	....	10	....	12	....	12	....
2	2	....	2	....	3	....	3	....	4	....	5	....
17	31	....	31	....	36	....	38	....	48	....	58	....
6	6	....	6	....	6	....	6	....	6	....	6	....
....	2	....	2	....
....
129	117	....	108	....	109	....	97	....	98	....	130	....
7	11	....	12	....	13	....	13	....	14	....	14	....
8	8	....	8	....	8	....	8	....	8	....	8	....
59	54	....	49	....	52	....	51	....	58	....	74	....
....	20	....	30	....	40	....	50	....
5	3	....	4	....	4	....	7	....	8	....	8	....
55	55	....	55	....	55	....	55	....	55	....	55	....
60	60	....	58	....	60	....	62	....	62	....	59	....
....	100	....	114	....	120	....	126	....	136	....	165	....
3,193	3,270	....	3,310	....	3,431	....	3,478	....	3,540	....	3,691	....

TABLE VI₃—COAL MINING—CARROLL COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7580	3	...	3	...	3	...	3	...	3	...
7581	74	...	74	...	76	...	86	...	77	...
7582	4	...	4	...	4	...	...	...	...	...
7583	2	...	2	...	2	...	2	...	2	...
7584	186	...	186	...	186	...	186	...	186	...
7585-1	133	...	133	...	133	...	133	...	133	...
7585-2	176	...	176	...	176	...	176	...	176	...
7585-3	110	...	106	...	109	...	109	...	106	...
7586	8	...	8	...	10	...	11	...	9	...
7588										
8121										
Totals..... 11	696	....	692	....	699	....	706	....	692	....

TABLE VI₄—COAL MINING—COLUMBIANA COUNTY.

Schedule Number.	January.		February.		March.		April.		May.		
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	
7593*	60	....	61	....	60	....	61	....	63	....
7595	44	....	38	....	36	....	14	....	18	....
7596	89	....	89	....	90	....	90	....	91	....
7597	3	....	3	....	3	....	3	....	3	....
7598	1	....	1	....	1	....	..	....	..	....
7599	..	....	2	....	2	....	2	....	3	....
7601	3	....	3	....	3	....	3	....	3	....
7602	10	....	10	....	6	....	4	....	2	....
7603*	80	....	80	....	80	....	80	....	80	....
7604	47	....	53	....	50	....	58	....	63	....
7606	3	....	3	....	3	....	..	....	..	....
7607	4	....	4	....	4	....	..	....	..	....
7608	54	....	62	....	69	....	79	....	83	....
7609	79	....	73	....	75	....	78	....	73	....
7610	2	....	2	....	1	....	1	....	..	....
7612	60	....	60	....	65	....	65	....	68	....
7613	81	....	81	....	81	....	81	....	81	....
7614	70	....	70	....	70	....	70	....	70	....
7615	8	....	8	....	8	....	8	....	8	....
7616	12	....	12	....	12	....	12	....	12	....
7617*	250	....	250	....	250	....	250	....	250	....
7618	12	....	12	....	12	....	10	....	10	....
7619	9	....	9	....	9	....	9	....	9	....
7620	3	....	3	....	..	....	2	....	1	....
7621	13	....	13	....	13	....	13	....	13	....
7623	150	....	150	....	150	....	150	....	150	....
7624	2	....	2	....	2	....	2	....	2	....
7626*	70	....	70	....	75	....	76	....	78	....
8104	35	....	45	....	54	....	57	....	39	....
8128	30	....	30	....	30	....	30	....	31	....
8159	44	....	40	....	40	....	41	....	42	....
Totals.....	35	1,268	1,339	1,354	1,349	1,346

*2 mines.

TABLE VI₄—COAL MINING—COLUMBIANA COUNTY.
Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
64	60	....	65	....	67	....	69	....	69	....	70	....
16	22	....	20	....	26	....	26	....	34	....	34	....
90	91	....	89	....	93	....	91	....	93	....	95	....
3	3	....	3	....	3	....	3	....	3	....	3	....
2	4	....	4	....	1	....	3	....	4	....	5	....
3	3	....	3	....	3	....	3	....	3	....	3	....
2	2	....	2	....	3	....	4	....	4	....	4	....
80	80	....	80	....	80	....	80	....	80	....	80	....
54	48	....	54	....	60	....	65	....	61	....	68	....
1	1	....	1	....	4	....	3	....	3	....	3	....
86	93	....	94	....	95	....	93	....	94	....	95	....
71	67	....	57	....	57	....	57	....	77	....	79	....
60	55	....	55	....	58	....	2	....	2	....	2	....
81	81	....	81	....	81	....	60	....	65	....	75	....
70	70	....	70	....	70	....	81	....	81	....	81	....
8	8	....	8	....	8	....	70	....	70	....	70	....
12	12	....	12	....	12	....	8	....	8	....	8	....
250	250	....	250	....	250	....	12	....	12	....	12	....
10	10	....	10	....	12	....	12	....	12	....	12	....
9	9	....	9	....	9	....	9	....	9	....	9	....
1	1	....	2	....	3	....	3	....	4	....	4	....
13	13	....	13	....	13	....	13	....	13	....	13	....
150	150	....	150	....	150	....	150	....	150	....	150	....
2	2	....	2	....	2	....	2	....	2	....	2	....
78	80	....	80	....	85	....	86	....	89	....	89	....
19	26	....	31	....	31	....	31	....	31	....	30	....
31	31	....	31	....	31	....	31	....	31	....	30	....
44	44	....	40	....	40	....	42	....	42	....	....	....
1,310	1,316	....	1,285	....	1,319	....	1,337	....	1,374	....	1,354	....

TABLE VI₅—COAL MINING—COSHOCKTON COUNTY.

Schedule Number.		January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7630	.....	77	.....	76	.....	77	.....	88	.....	104	.....
7631	.....	52	.....	44	.....	49	.....	54	.....	64	.....
7633	.....	6	.....	5	.....	5	.....	4	.....	4	.....
7634	.....	6	.....	9	.....	10	.....	1	.....	1	.....
7635	.....	4	.....	4	.....	4	.....	4	.....	4	.....
7636	.....	121	.....	121	.....	132	.....	130	.....	132	.....
7637	.....	24	.....	24	.....	24	.....	20	.....	20	.....
7640	.....	70	.....	80	.....	85	.....	90	.....	95	.....
7641	.....	5	.....	5	.....	4	.....	3	.....	2	.....
7642	.....	3	.....	3	.....	3	.....	3	.....	3	.....
7872*	.....	2	.....	2	.....	2	.....	2	.....	2	.....
8088	.....	75	.....	75	.....	75	.....	75	.....	75	.....
8160	.....	350	.....	355	.....	354	.....	349	.....	352	.....
8162	.....	57	.....	59	.....	62	.....	59	.....	63	.....
Totals.....	15	852	.....	862	.....	886	.....	882	.....	921	.....

*2 mines.

TABLE VI₅—COAL MINING—COSHOCOTON COUNTY.
Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
103	...	98	...	87	...	87	...	87	...	96	...	90	...
60	...	60	...	55	...	62	...	55	...	58	...	63	...
1	...	1	...	1	...	1	...	3	...	4	...	5	...
2	...	1	...	2	...	3	...	3	...	3	...	4	...
4	...	4	...	4	...	4	...	4	...	4	...	4	...
135	...	132	...	131	...	128	...	117	...	124	...	127	...
16	...	16	...	16	...	20	...	20	...	20	...	20	...
95	...	95	...	95	...	95	...	98	...	105	...	110	...
2	...	2	...	3	...	5	...	5	...	6	...	6	...
3	...	3	...	3	...	3	...	3	...	3	...	3	...
75	...	75	...	75	...	75	...	75	...	75	...	75	...
350	...	351	...	348	...	351	...	345	...	346	...	350	...
69	...	69	...	68	...	75	...	77	...	69	...	65	...
917	...	909	...	890	...	911	...	893	...	915	...	924	...

TABLE VI6—COAL MINING—GALLIA COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
45	50	....	46	....	41	....	41	....	38	....	53	.....

TABLE VI7—COAL MINING—GUERNSEY COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7650*	404	.....	401	.....	406	.....	403	.....	403	.....
7651*	498	.....	492	.....	496	.....	489	.....	482	.....
7652	128	.....	132	.....	129	.....	127	.....	121	.....
7653	136	.....	136	.....	136	.....	136	.....	136	.....
7656 .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7658	49	.....	53	.....	48	.....	36	.....	28	.....
7659	146	.....	146	.....	146	.....	146	.....	146	.....
7660 .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7661	100	.....	102	.....	99	.....	110	.....	110	.....
7662	78	.....	79	.....	63	.....	67	.....	67	.....
7663†	662	.....	660	.....	642	.....	656	.....	697	.....
7664	2	.....	2	.....	2	.....	2	.....	2	.....
7927	120	.....	112	.....	112	.....	130	.....	108	.....
8080	32	.....	38	.....	39	.....	48	.....	52	.....
8123	20	.....	38	.....	42	.....	26	.....	19	.....
8163	177	.....	177	.....	177	.....	177	.....	177	.....
Totals..... 21	2,552	.....	2,568	.....	2,537	.....	2,553	.....	2,548	.....

*2 mines.

†4 mines.

TABLE VI7—COAL MINING—GUERNSEY COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
416	411	....	415	....	401	....	410	....	414	....	412	....
482	481	....	493	....	493	....	502	....	504	....	511	....
119	119	....	121	....	126	....	128	....	131	....	132	....
136	136	....	136	....	136	....	136	....	136	....	136	....
....	90	....	95	....	98	....	115	....	109	....
22	17	....	....	....	....	....	....	....	....	....	....	....
146	146	....	146	....	146	....	146	....	146	....	....	....
10	6	....	8	....	8	....	9	....	7	....	7	....
111	122	....	115	....	132	....	129	....	121	....	124	....
48	46	....	50	....	52	....	50	....	52	....	58	....
755	766	....	757	....	764	....	797	....	833	....	884	....
2	2	....	2	....	2	....	2	....	2	....	2	....
106	114	....	105	....	109	....	113	....	107	....	114	....
51	52	....	60	....	72	....	70	....	67	....	78	....
22	24	....	22	....	....	....	....	....	....	....	....	....
177	177	....	177	....	177	....	177	....	177	....	177	....
2,603	2,619	....	2,697	....	2,713	....	2,767	....	2,812	....	2,744	....

TABLE VI8—COAL MINING—HARRISON COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7670	1	...	1	...	...	...	...	...	...	...
7671	7	...	7	...	6	...	5	...	4	...
7673	1	...	1	...	1	...	1	...	1	...
7674	88	...	91	...	82	...	81	...	60	...
7675 .....	...	...	1	...	...	...	...	...	...	...
7676	367	...	367	...	367	...	367	...	367	...
7677 .....	...	...	...	...	...	...	...	...	...	...
7679 .....	...	...	...	...	...	...	...	...	...	...
7680	4	...	4	...	4	...	4	...	3	...
8103	40	...	33	...	29	...	29	...	30	...
Totals..... 10	508	....	505	....	489	....	487	....	465	....

TABLE VI8—COAL MINING—HARRISON COUNTY.
Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
4	4	.....	4	.....	6	.....	1	.....	1	.....	1	.....
1	1	.....	8	.....	8	.....	8	.....
49	1	.....	1	.....	1	.....
367	367	.....	367	.....	367	.....	367	.....	367	.....	367	.....
.....	1	.....	1	.....	1	.....
3	3	.....	3	.....	4	.....	4	.....	4	.....	4	.....
30	29	.....	44	.....	53	.....	56	.....	56	.....	59	.....
454	403	.....	418	.....	431	.....	439	.....	440	.....	443	.....

TABLE VI₉—COAL MINING—HOCKING COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7519	20	....	17	....	22	....	20	....	21	....
7685*	840	....	837	....	835	....	842	....	850	....
7688*	452	....	452	....	452	....	452	....	452	....
7689†	1,567	....	1,567	....	1,567	....	1,567	....	1,567	....
7690	18	....	18	....	18	....	18	....	18	....
8170	16	....	16	....	15	....	17	....	20	....
Totals..... 17	2,913	....	2,907	....	2,909	....	2,916	....	2,928	....

*4 mines.

†6 mines

TABLE VI₉—COAL MINING—HOCKING COUNTY.
Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
24	24	....	20	....	20	....	21	....	20	....	19	....
856	858	....	864	....	856	....	856	....	860	....	852	....
452	452	....	452	....	452	....	452	....	452	....	452	....
1,567	1,567	....	1,567	....	1,567	....	1,567	....	1,567	....	1,567	....
18	18	....	18	....	18	....	18	....	18	....	18	....
20	19	....	20	....	22	....	16	....	18	....	15	....
2,937	2,938	....	2,941	....	2,935	....	2,930	....	2,935	....	2,923	....

TABLE VI₁₀—COAL MINING—HOLMES COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7696	6	...	6	...	6	...	6	...	6	.....
7697	2	...	2	...	2	...	2	...	2	.....
7698	25	...	20	...	15	...	10	...	2	.....
7699	2	...	2	...	2	...	2	...	2	.....
7701	2	...	2	...	2	...	2	...	2	.....
8105	36	...	35	...	29	...	39	...	37	.....
Totals..... 6	79	....	73	....	62	....	67	....	63	.....

TABLE VI_{II}—COAL MINING—JACKSON COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7705	300	...	300	...	275	...	120	...	115	...
7706	88	...	89	...	92	...	85	...	85	...
7707*	80	...	73	...	72	...	70	...	67	...
7708	...	...	...	...	7	...	7	...	9	...
7709	10	...	10	...	10	...	10	...	8	...
7710*	327	...	322	...	251	...	212	...	184	...
7712	65	...	59	...	61	...	50	...	50	...
7713*	54	...	19	...	23	...	19	...	18	...
7714	20	...	20	...	20	...	15	...	15	...
7715	13	...	13	...	12	...	13	...	14	...
7716	33	...	33	...	33	...	33	...	33	...
7718†	296	...	292	...	303	...	302	...	303	...
7719	15	...	15	...	15	...	1	...	1	...
7720†	326	...	341	...	316	...	316	...	309	...
7721†	1,340	...	1,344	...	1,384	...	1,418	...	1,467	...
7722	6	...	6	...	6	...	...	...	...	...
7723	2	...	2	...	2	...	2	...	2	...
7724	199	...	185	...	201	...	185	...	177	...
7725	35	...	37	...	39	...	35	...	35	...
7726	41	...	42	...	40	...	30	...	28	...
7729	51	...	55	...	51	...	37	...	35	...
7731*	210	...	200	...	190	...	180	...	175	...
7732	130	...	128	...	130	...	65	...	66	...
7733	...	...	...	...	...	...	...	...	...	...
7734	15	...	15	...	15	...	15	...	15	...
7735	56	...	56	...	56	...	56	...	56	...
7736	2	...	2	...	2	...	2	...	2	...
7739	53	...	53	...	53	...	53	...	53	...
7740*	45	...	50	...	60	...	45	...	46	...
7741	10	...	10	...	10	...	10	...	10	...
7742	15	...	15	...	15	...	15	...	15	...
7746	30	...	28	...	29	...	29	...	25	...
8132	16	...	14	...	20	...	18	...	18	...
8173	42	...	45	...	40	...	35	...	38	...
8175	62	...	59	...	56	...	56	...	53	...
8177	8	...	8	...	8	...	8	...	8	...
8178	45	...	50	...	49	...	44	...	37	...
8179	30	...	35	...	32	...	30	...	27	...
Totals.....	55	4,070	...	4,025	...	3,975	...	3,621	...	3,599

*2 mines.

†3 mines.

†9 mines.

TABLE VII—COAL MINING—JACKSON COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
100	100	....	200	....	275	....	290	....	300	....	300	....
75	75	....	85	....	80	....	80	....	75	....	70	....
66	65	....	80	....	85	....	90	....	85	....	95	....
9	7	....	6	....	9	....	8	....	9	....	9	....
8	8	....	8	....	8	....	8	....	8	....	8	....
158	157	....	141	....	94	....	91	....	80	....	83	....
49	56	....	68	....	73	....	66	....	61	....	57	....
42	49	....	41	....	48	....	40	....	34	....	35	....
15	15	....	15	....	12	....	10	....	10	....	10	....
14	14	....	14	....	14	....	14	....	14	....	14	....
33	33	....	33	....	33	....	33	....	33	....	33	....
275	316	....	297	....	291	....	278	....	314	....	306	....
1	1	....	1	....	1	....	2	....	2	....	2	....
335	318	....	332	....	315	....	301	....	307	....	311	....
1,501	1,492	....	1,587	....	1,595	....	1,589	....	1,564	....	1,618	....
....
2	2	....	2	....	2	....	2	....	2	....	2	....
165	158	....	172	....	183	....	177	....	184	....	201	....
38	47	....	45	....	52	....	44	....	41	....	38	....
30	31	....	35	....	35	....	40	....	50	....	50	....
35	32	....	32	....	35	....	43	....	37	....	37	....
175	185	....	190	....	200	....	210	....	210	....	220	....
60	100	....	110	....	112	....	120	....	118	....	120	....
....	29	....	32	....	39	....	36	....	34	....
15	15	....	15	....	15	....	15	....	15	....	15	....
56	56	....	56	....	56	....	56	....	56	....	56	....
2	2	....	2	....	2	....	2	....	2	....	2	....
53	53	....	53	....	53	....	53	....	53	....	53	....
50	40	....	70	....	50	....	40	....	60	....	55	....
10	10	....	10	....	10	....	10	....	10	....	10	....
15	15	....	15	....	15	....	15	....	15	....	15	....
26	25	....	28	....	30	....	28	....	27	....	25	....
24	24	....	28	....	30	....	28	....	....	....	16	....
48	46	....	39	....	40	....	42	....	40	....	43	....
56	51	....	51	....	52	....	50	....	50	....	52	....
8	8	....	8	....	8	....	8	....	8	....	8	....
36	38	....	44	....	40	....	43	....	54	....	52	....
29	34	....	33	....	36	....	35	....	24	....	25	....
3,614	3,678	....	3,975	....	4,021	....	4,000	....	3,988	....	4,080	....

TABLE VI₁₂—COAL MINING—JEFFERSON COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7750	4	.....	4	.....	4	.....	4	.....	4	.....
7751*	1,100	.....	1,135	.....	1,150	.....	1,175	.....	1,200	.....
7752	73	.....	73	.....	75	.....	77	.....	77	.....
7753	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7754	45	.....	37	.....	40	.....	45	.....	40	.....
7755	10	.....	10	.....	10	.....	10	.....	10	.....
7756	5	.....	5	.....	8	.....	12	.....	12	.....
7757	5	.....	5	.....	5	.....	5	.....	5	.....
8758	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
7759	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7760	2	.....	2	.....	2	.....	2	.....	.....	.....
7761	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7762	75	.....	70	.....	70	.....	75	.....	75	.....
7764†	182	.....	196	.....	258	.....	294	.....	316	.....
7765	193	.....	181	.....	189	.....	214	.....	239	.....
7766	5	.....	5	.....	5	.....	4	.....	4	.....
7767†	399	.....	394	.....	424	.....	421	.....	423	.....
7767‡	.....	.....	.....	.....	.....	.....	114	.....	108	.....
7768	2	.....	4	.....	4	.....	2	.....	2	.....
7771	184	.....	178	.....	178	.....	183	.....	185	.....
7772	7	.....	7	.....	7	.....	7	.....	3	.....
7773	73	.....	84	.....	98	.....	88	.....	86	.....
7775	83	.....	83	.....	83	.....	83	.....	83	.....
7778	169	.....	169	.....	169	.....	169	.....	169	.....
8181	178	.....	180	.....	175	.....	175	.....	170	.....
8184†	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
8185	131	.....	145	.....	142	.....	139	.....	128	.....
8186	42	.....	5	.....	42	.....	40	.....	20	.....
Totals	40	2,971	2,976	3,140	3,342	3,362				

*3 mines.

†2 mines.

‡9 mines.

TABLE VII₂—COAL MINING—JEFFERSON COUNTY.
Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
4	4	....	4	....	4	....	4	....	4	....	4	....
1,205	1,201	....	1,210	....	1,215	....	1,220	....	1,250	....	1,260	....
77	76	....	79	....	79	....	79	....	79	....	79	....
....	105	....	305	....	116	....
45	42	....	40	....	40	....	45	....	45	....	45	....
10	10	....	10	....	10	....	10	....	10	....	10	....
12	10	....	12	....	14	....	11	....	11	....	10	....
5	5	....	5	....	5	....	5	....	5	....	5	....
....	2	....	2	....	2	....
2	1	....	4	....	4	....	5	....	9	....	9	....
....	2	....	2	....	2	....
1	1	....	....	....	....	....	2	....	2	....	2	....
70	75	....	80	....	70	....	70	....	70	....	80	....
338	366	....	375	....	405	....	417	....	458	....	528	....
244	233	....	210	....	211	....	216	....	211	....	204	....
2	2	....	2	....	3	....	4	....	5	....	5	....
420	396	....	419	....	418	....	427	....	422	....	420	....
110	117	....	116	....	122	....	121	....	122	....	123	....
2	2	....	2	....	2	....	2	....	....	....	2	....
150	169	....	178	....	189	....	186	....	205	....	209	....
3	3	....	3	....	3	....	7	....	7	....	7	....
97	99	....	96	....	91	....	95	....	93	....	96	....
83	83	....	83	....	83	....	83	....	83	....	83	....
169	169	....	169	....	169	....	169	....	169	....	169	....
173	171	....	165	....	162	....	176	....	179	....	186	....
....	452	....	488	....	471	....	475	....	567	....	511	....
110	136	....	138	....	144	....	156	....	155	....	182	....
42	46	....	52	....	50	....	68	....	65	....	70	....
3,374	3,869	....	3,940	....	3,964	....	4,162	....	4,335	....	4,419	....

TABLE VI₁₃—COAL MINING—LAWRENCE COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7779	3	....	3	....	3	....	3	....	3	....
7780*	115	....	119	....	123	....	116	....	110	....
7781	10	....	10	....	10	....	10	....	10	....
7782	77	....	77	....	77	....	77	....	77	....
7783 .....	....	....	....	....	....	....	....	....	....	....
7784	10	....	10	....	10	....	8	....	5	....
8118†	10	....	10	....	10	....	10	....	10	....
8127	168	....	157	....	155	....	146	....	143	....
Totals..... 14	393	....	386	....	388	....	370	....	358	....

*2 mines.

†6 mines.

TABLE VI₁₃—COAL MINING—LAWRENCE COUNTY.
Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
3	...	3	...	3	...	3	...	3	...	3	...	3	...
112	...	98	...	94	...	100	...	103	...	98	...	96	...
10	...	10	...	10	...	10	...	10	...	10	...	10	...
77	...	77	...	77	...	77	...	77	...	77	...	77	...
.....	2	...	2	...	2	...	2	...
4	...	5	...	7	...	10	...	10	...	10	...	10	...
10	...	10	...	10	...	10	...	10	...	10	...	10	...
175	...	134	...	168	...	170	...	178	...	141	...	182	...
391	337	....	369	....	382	....	393	....	351	....	390	....

TABLE VI₁₄—COAL MINING—MAHONING COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7788	66	...	67	...	66	...	65	...	64	...
7789	6	...	6	...	6	...	6	...	6	...
7790	33	...	33	...	33	...	33	...	33	...
7791	12	...	12	...	13	...	9	...	9	...
7792	6	...	6	...	6	...	5	...	4	...
7793	7	...	7	...	4	...	3	...	4	...
7794	33	...	33	...	33	...	33	...	...	...
7795	7	...	7	...	5	...	5	...	5	...
7797	49	...	49	...	52	...	52	...	47	...
7798	3	...	6	...	6	...	4	...	2	...
7799	3	...	2	...	...	...	...	...	...	...
7800	4	...	4	...	4	...	4	...	4	...
8194	10	...	10	...	4	...	4	...	4	...
Totals..... 13	183	....	182	....	172	....	161	....	151	....

TABLE VI₁₄—COAL MINING—MAHONING COUNTY.
Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
64	...	62	...	62	...	65	...	66	...	66	...	66	...
6	...	6	...	6	...	6	...	6	...	6	...	6	...
2	...	2	...	2	...	2	...	3	...	3	...	3	...
6	...	7	...	9	...	16	...	18	...	12	...	13	...
4	...	4	...	7	...	6	...	7	...	7	...	7	...
3	...	5	...	5	...	6	...	7	...	7	...	7	...
...	2	...	3	...	3	...	3	...
3	...	3	...	3	...	4	...	5	...	6	...	7	...
45	...	55	...	58	...	60	...	60	...	71	...	65	...
2	...	2	...	4	...	4	...	4	...	6	...	7	...
...	2	...	2	...	2	...	2	...	...	...
4	...	4	...	4	...	4	...	4	...	4	...	4	...
4	...	4	...	4	...	5	...	5	...	6	...	6	...
143	154	....	165	....	182	....	190	....	199	....	194	....

TABLE VI₁₅—COAL MINING—MEDINA COUNTY.

Schedule Number.		January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7805	.....	10	....	9	....	10	....	9	....	8	....
7806	.....	11	....	10	....	10	....	4	....	9	....
7807*	.....	205	....	205	....	205	....	205	....	205	....
7809	.....	7	....	8	....	7	....	6	....	6	....
7810	.....	8	....	8	....	8	....	8	....	8	....
7811	.....	39	....	39	....	44	....	42	....	36	....
Totals.....	9	279	....	279	....	284	....	274	....	272	....

*4 mines.

TABLE VI₁₅—COAL MINING—MEDINA COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
8	8	....	10	....	11	....	11	....	10	....	14	....
10	10	....	11	....	11	....	12	....	14	....	15	....
205	205	....	205	....	205	....	205	....	205	....	205	....
6	6	....	6	....	6	....	7	....	7	....	8	....
8	8	....	8	....	8	....	8	....	8	....	8	....
37	36	....	34	....	33	....	35	....	33	....	38	....
274	273	....	274	....	274	....	277	....	277	....	288	....

TABLE VI16—COAL MINING—MEIGS COUNTY.

Schedule Number.		January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7817	.....	164	.....	164	.....	164	.....	164	.....	164	.....
7818	.....	72	.....	86	.....	91	.....	118	.....	128	.....
7819	.....	2	.....	2	.....	2	.....	2	.....	2	.....
7820	.....	11	.....	11	.....	6	.....	4	.....	4	.....
7821*	.....	10	.....	10	.....	10	.....	10	.....	10	.....
7823	.....	58	.....	49	.....	58	.....	67	.....	68	.....
7824	.....	25	.....	25	.....	25	.....	25	.....	25	.....
7825	.....	6	.....	6	.....	6	.....	6	.....	6	.....
7826	.....	3	.....	3	.....	1	.....	.....	.....	.....	.....
8199	.....	130	.....	130	.....	130	.....	130	.....	130	.....
12202	.....	67	.....	55	.....	52	.....	54	.....	58	.....
12203	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12204	.....	.....	.....	.....	.....	70	.....	.....	.....	.....	.....
12207	.....	32	.....	32	.....	32	.....	33	.....	33	.....
Totals.....	15	580	.....	573	.....	647	.....	613	.....	628	.....

*2 mines.

TABLE VII6—COAL MINING—MEIGS COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
164	164	....	164	....	164	....	164	....	164	....	164	....
125	145	....	147	....	150	....	131	....	128	....	140	....
2	2	....	2	....	2	....	2	....	2	....	2	....
3	3	....	5	....	5	....	7	....	7	....	9	....
10	10	....	10	....	10	....	10	....	10	....	10	....
5	58	....	57	....	49	....	41	....	42	....	47	....
25
6	6	....	6	....	6	....	6	....	6	....	6	....
....	1	....	2	....	2	....	3	....	3	....
130	130	....	130	....	130	....	130	....	130	....	130	....
53	54	....	51	....	58	....	68	....	68	....	68	....
....	44	....	44	....	44	....	44	....	44	....	44	....
....	70	....	70	....	70	....	....	....
33	33	....	33	....	33	....	33	....	33	....	33	....
556	649	....	650	....	723	....	708	....	707	....	656	....

TABLE VI₁₇—COAL MINING—MORGAN COUNTY.

Schedule Number.		January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7833	.....	41	.....	37	.....	36	.....	36	.....	35	.....
12208	.....	65	.....	70	.....	69	.....	72	.....	75	.....
Totals	..... 2	106	.....	107	.....	105	.....	108	.....	110	.....

TABLE VI₁₇—COAL MINING—MORGAN COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
37	37	....	39	....	42	....	45	....	47	....	38	....
82	84	....	84	....	82	....	93	....	94	....	102	....
119	121	....	123	....	124	....	138	....	141	....	140	....

TABLE VI-8—COAL MINING—MUSKINGUM COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7836	7	.....	7	.....	6	.....	6	.....	6	.....
7837	12	.....	12	.....	10	.....	.....	.....	.....	.....
7839	2	.....	2	.....	2	.....	2	.....	2	.....
7841	2	.....	2	.....	2	.....	2	.....	2	.....
7842	2	.....	2	.....	2	.....	2	.....	2	.....
7843	4	.....	4	.....	3	.....	2	.....	2	.....
7844	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7845	10	.....	10	.....	10	.....	10	.....	10	.....
7846	32	.....	31	.....	30	.....	21	.....	18	.....
7848	70	.....	42	.....	45	.....	50	.....	50	.....
7849	2	.....	2	.....	2	.....	.....	.....	.....	.....
7850	5	.....	.....	.....	.....	.....	.....	.....	.....	.....
7851	2	.....	2	.....	2	.....	2	.....	2	.....
7852	2	.....	2	.....	2	.....	2	.....	2	.....
7854	3	.....	3	.....	3	.....	3	.....	3	.....
7855	3	.....	3	.....	3	.....	3	.....	3	.....
7856	2	.....	2	.....	2	.....	2	.....	2	.....
7857	2	.....	2	.....	2	.....	2	.....	2	.....
7858	3	.....	3	.....	3	.....	3	.....	3	.....
7859	5	.....	5	.....	5	.....	5	.....	5	.....
7861	2	.....	2	.....	2	.....	2	.....	2	.....
7863	2	.....	2	.....	2	.....	2	.....	.....	.....
7864	4	.....	4	.....	4	.....	4	.....	4	.....
7865	5	.....	4	.....	4	.....	3	.....	2	.....
7866	5	.....	5	.....	5	.....	5	.....	5	.....
7867	31	.....	27	.....	32	.....	26	.....	22	.....
7868	7	.....	7	.....	7	.....	7	.....	7	.....
7869	2	.....	2	.....	2	.....	.....	.....	.....	.....
7870	5	.....	5	.....	5	.....	5	.....	5	.....
7871	2	.....	2	.....	2	.....	2	.....	2	.....
7873	3	.....	3	.....	2	.....	1	.....	1	.....
7874	3	.....	2	.....	2	.....	2	.....	2	.....
7876	2	.....	2	.....	2	.....	2	.....	4	.....
7877	5	.....	5	.....	5	.....	2	.....	2	.....
7878*	132	.....	162	.....	162	.....	162	.....	162	.....
7879	41	.....	39	.....	33	.....	22	.....	25	.....
7881	6	.....	6	.....	6	.....	6	.....	6	.....
8153	30	.....	30	.....	30	.....	30	.....	30	.....
12210	40	.....	40	.....	40	.....	40	.....	40	.....
Totals.....	41	502	490	.....	486	.....	445	.....	439	.....

*3 mines.

TABLE VI-8—COAL MINING—MUSKINGUM COUNTY.
Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
6		6		8		7		7		7		7	
2		2		2		4		6		10		2	
1		4		2		2		2		2		2	
2		2		2		2		2		2		2	
2		2		2		2		2		2		2	
10		10		10		9		13		12		9	
12		10		10		30		40		25		30	
48		40		30		2		2		5		2	
2		2		2		2		2		2		2	
2		2		2		2		2		2		2	
3		3		3		3		3		3		3	
3		3		3		3		3		3		3	
2		2		2		2		2		2		2	
2		2		2		2		2		2		2	
8		8		8		8		8		8		8	
5		5		5		5		5		5		5	
2		2		2		2		2		2		2	
4		4		4		4		4		4		4	
1		1		2		4		4		4		4	
5		5		5		5		5		5		5	
22		21		24		30		29		31		28	
7		7		7		7		7		7		7	
5		5		5		5		5		5		5	
2		2		2		2		2		2		2	
2		2		2		2		3		3		3	
4		4		4		3		3		3		4	
4		4		4		4		4		4		4	
2		4		5		10		10		10		6	
162		160		165		165		170		170		170	
27		42		36		33		33		37		39	
6		6		6		6		6		6		6	
30		30		30		30		30		30		30	
40		40		40		40		40		40		40	
431		438		426		443		473		478		464	

TABLE VI19—COAL MINING—NOBLE COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7885	2	.....	2	.....	.....	.....	.....	.....	.....	.....
7887	1	.....	1	.....	.....	.....	.....	.....	1	.....
7888 .....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
7889	1	.....	1	.....	1	.....	1	.....	1	.....
7890 .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7891	1	.....	1	.....	.....	.....	.....	.....	.....	.....
7894	3	.....	3	.....	3	.....	3	.....	3	.....
7896	2	.....	2	.....	2	.....	2	.....	2	.....
7897	1	.....	1	.....	.....	.....	.....	.....	.....	.....
7899 .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7900	3	.....	3	.....	3	.....	.....	.....	.....	.....
7901	1	.....	1	.....	.....	.....	.....	.....	.....	.....
7902 .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7903	12	.....	12	.....	10	.....	8	.....	6	.....
Totals..... 14	27	.....	27	.....	20	.....	14	.....	14	.....

TABLE VII₉—COAL MINING—NOBLE COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
.....	1	.....	1	.....	1	.....	1	2	.....	2	.....	2	.....
.....	1	.....	1	.....	1	.....	1	1	.....	1	.....	1	.....
.....	1	.....	1	.....	1	.....	1	1	.....	1	.....	1	.....
.....	1	.....	1	.....	3	.....	3	3	.....	3	.....	3	.....
.....	3	.....	3	.....	3	.....	3	3	.....	3	.....	3	.....
.....	2	.....	2	.....	2	.....	2	2	.....	2	.....	2	.....
.....	.....	.....	.....	.....	.....	.....	1	1	.....	1	.....	1	.....
.....	.....	.....	.....	.....	.....	.....	1	1	.....	1	.....	1	.....
.....	1	.....	1	.....	3	.....	3	3	.....	3	.....	3	.....
.....	.....	.....	.....	.....	.....	.....	4	2	.....	2	.....	1	.....
.....	6	.....	4	.....	4	.....	6	10	.....	.....	.....	.....	.....
15	.....	13	.....	19	.....	27	.....	33	.....	22	.....	21	.....

TABLE VI₂₀—COAL MINING—PERRY COUNTY.

Schedule Number.	January.		February.		March.		April.		May.		
	Males.	Females.	Males.	females.	Males.	Females.	Males.	Females.	Males.	Females.	
7543	...	...	...	...	...	...	59	...	73	...
7913	198	...	200	...	210	...	212	...	200	...	
7913½	158	...	158	...	158	...	159	...	159	...	
7914*	981	...	981	...	981	...	981	...	981	...	
7915	24	...	24	...	20	...	18	...	14	...	
7916	92	...	95	...	94	...	97	...	97	...	
7917	120	...	120	...	121	...	121	...	121	...	
7918†	276	...	276	...	264	...	265	...	249	...	
7920	1	...	1	...	1	...	1	...	1	...	
7921	2	...	2	...	2	...	...	...	...	...
7922	...	...	...	...	1	...	1	...	1	...
7923	1	...	1	...	1	...	...	...	...	...
7924	2	...	2	...	2	...	2	...	2	...	
7925	2	...	2	...	2	...	...	...	...	...
7926	24	...	24	...	24	...	24	...	24	...	
7927½	127	...	133	...	137	...	127	...	137	...	
7928	6	...	6	...	6	...	6	...	6	...	
7930	6	...	6	...	6	...	6	...	6	...	
7932	244	...	247	...	234	...	243	...	250	...	
7933	481	...	481	...	481	...	481	...	481	...	
7935†	178	...	180	...	185	...	194	...	197	...	
7936	2	...	2	...	2	...	2	...	2	...	
7937	40	...	39	...	39	...	28	...	29	...	
7938	153	...	153	...	157	...	170	...	151	...	
7939½	96	...	96	...	96	...	96	...	97	...	
7940	146	...	145	...	144	...	145	...	146	...	
7940½	88	...	88	...	90	...	90	...	90	...	
7941	96	...	96	...	90	...	85	...	80	...	
7941½	95	...	94	...	90	...	96	...	98	...	
7942	30	...	36	...	32	...	8	...	15	...	
7942½	100	...	100	...	108	...	108	...	109	...	
7943	91	...	91	...	91	...	71	...	61	...	
7943½	194	...	194	...	173	...	216	...	237	...	
7944	136	...	132	...	124	...	116	...	110	...	
7946	24	...	24	...	24	...	24	...	20	...	
7948	7	...	7	...	7	...	7	...	7	...	
12216	84	...	79	...	66	...	43	...	30	...	
12217	30	...	36	...	32	...	8	...	15	...	
12218	25	...	25	...	25	...	25	...	25	...	
12219	46	...	46	...	46	...	46	...	46	...	
12220†	17	...	17	...	38	...	43	...	95	...	
12221	82	...	74	...	70	...	70	...	79	...	
Totals,	49	4,505	...	4,513	...	4,474	...	4,494	...	4,541	...

*3 mines.

†4 mines.

‡2 mines.

TABLE VI₂₀—COAL MINING—PERRY COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
79	87	.....	89	.....	86	.....	89	.....	76	.....	88	.....
220	221	.....	218	.....	219	.....	210	.....	212	.....	212	.....
159	159	.....	159	.....	159	.....	159	.....	160	.....	161	.....
981	981	.....	981	.....	981	.....	981	.....	981	.....	981	.....
15	16	.....	18	.....	18	.....	15	.....	25	.....	32	.....
99	102	.....	100	.....	103	.....	105	.....	104	.....	100	.....
122	122	.....	122	.....	125	.....	126	.....	121	.....	122	.....
255	260	.....	280	.....	275	.....	290	.....	302	.....	274	.....
1	1	.....	1	.....	1	.....	1	.....	1	.....	1	.....
.....	2	.....	2	.....	2	.....	2	.....	2	.....
.....	1	.....	1	.....
.....	1	.....	1	.....
2	2	.....	2	.....	2	.....	2	.....	2	.....	2	.....
.....	2	.....	2	.....
24	24	.....	24	.....	24	.....	24	.....	24	.....	24	.....
133	137	.....	133	.....	133	.....	128	.....	140	.....	140	.....
6	6	.....	6	.....	6	.....	6	.....	6	.....	6	.....
6	6	.....	6	.....	6	.....	6	.....	6	.....	6	.....
269	263	.....	261	.....	260	.....	270	.....	284	.....	256	.....
481	481	.....	481	.....	481	.....	481	.....	481	.....	481	.....
198	192	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	2	.....	2	.....	2	.....	2	.....	2	.....	2	.....
29	25	.....	28	.....	27	.....	28	.....	28	.....	29	.....
156	177	.....	162	.....	188	.....	167	.....	186	.....	174	.....
97	97	.....	97	.....	98	.....	98	.....	98	.....	99	.....
150	152	.....	148	.....	147	.....	147	.....	146	.....	149	.....
91	91	.....	91	.....	91	.....	91	.....	91	.....	91	.....
75	60	.....	65	.....	75	.....	75	.....	80	.....	90	.....
97	105	.....	106	.....	105	.....	110	.....	110	.....	108	.....
25	28	.....	30	.....	30	.....	28	.....	27	.....	30	.....
112	110	.....	110	.....	110	.....	110	.....	112	.....	112	.....
61	61	.....	70	.....	75	.....	80	.....	90	.....	92	.....
242	233	.....	237	.....	248	.....	281	.....	287	.....	302	.....
105	87	.....	75	.....	67	.....	67	.....	65	.....	58	.....
20	20	.....	20	.....	20	.....	23	.....	23	.....	25	.....
7	7	.....	7	.....	7	.....	7	.....	7	.....	7	.....
33	44	.....	62	.....	67	.....	69	.....	74	.....	79	.....
25	28	.....	30	.....	30	.....	28	.....	27	.....	30	.....
22	23	.....	26	.....	26	.....	28	.....	27	.....	26	.....
46	46	.....	46	.....	46	.....	46	.....	46	.....	46	.....
110	119	.....	130	.....	110	.....	205	.....	240	.....	315	.....
87	96	.....	103	.....	100	.....	120	.....	94	.....	90	.....
4,642	4,671	.....	4,523	.....	4,550	.....	4,707	.....	4,791	.....	4,836	.....

TABLE VI₂₁—COAL MINING—PORTAGE COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7953*	172	....	168	....	168	....	165	....	160	....
Totals..... 2										

*2 mines.

TABLE VI₂₁—COAL MINING—PORTAGE COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
160	160	....	168	....	170	....	172	....	172	....	172	....

TABLE VI22—COAL MINING—SCIOTO COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7956*	37	....	33	....	30	....	21	....	21	....
7954	2	....	2	....	....	....	....	....	....	....
Totals..... 3	39	....	35	....	30	....	21	....	21	....

*2 mines.

TABLE VI₂₂—COAL MINING—SCIOTO COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
26	36	....	45	....	36	....	35	....	36	....	36	....
....	2	....	2	....	2	....
26	36	....	45	....	36	....	37	....	38	....	38	....

TABLE VI₂₃—COAL MINING—STARK COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7692	60	.....	60	.....	60	.....	60	.....	60	.....
7964*	35	.....	40	.....	40	.....	38	.....	39	.....
7965	157	.....	165	.....	160	.....	142	.....	137	.....
7967	5	.....	5	.....	3	.....	3	.....	1	.....
7968	15	.....	15	.....	15	.....	10	.....	5	.....
7969	5	.....	5	.....	4	.....	2	.....	3	.....
7970	2	.....	2	.....	2	.....	2	.....	2	.....
7971	10	.....	10	.....	10	.....	5	.....	5	.....
7972	2	.....	2	.....	2	.....	2	.....	2	.....
7973	8	.....	8	.....	8	.....	8	.....	8	.....
7975	5	.....	5	.....	5	.....	5	.....	5	.....
7976	6	.....	6	.....	6	.....	6	.....	4	.....
7978	3	.....	3	.....	2	.....	1	.....	.....	.....
7979	1	.....	1	.....	.....	.....	.....	.....	.....	.....
7980	3	.....	3	.....	3	.....	.....	.....	.....	.....
7981	2	.....	2	.....	2	.....	2	.....	.....	.....
7982	60	.....	59	.....	59	.....	46	.....	45	.....
7983†	1,300	.....	1,300	.....	1,300	.....	1,100	.....	1,100	.....
7984	49	.....	52	.....	51	.....	54	.....	58	.....
7986	31	.....	37	.....	36	.....	41	.....	47	.....
7937	6	.....	5	.....	4	.....	4	.....	7	.....
7988	7	.....	7	.....	5	.....	3	.....	3	.....
7989	1	.....	1	.....	1	.....	1	.....	1	.....
7990	1	.....	1	.....	.....	.....	.....	.....	.....	.....
7991	3	.....	3	.....	3	.....	.....	.....	.....	.....
7992	2	.....	2	.....	.....	.....	.....	.....	.....	.....
7993	120	.....	118	.....	115	.....	90	.....	63	.....
7994	26	.....	24	.....	20	.....	15	.....	19	.....
7995	51	.....	45	.....	39	.....	31	.....	32	.....
7996	60	.....	51	.....	51	.....	32	.....	33	.....
7996½	27	.....	24	.....	23	.....	27	.....	23	.....
12226	16	.....	16	.....	16	.....	16	.....	16	.....
12227	15	.....	15	.....	12	.....	12	.....	12	.....
12228	15	.....	15	.....	11	.....	10	.....	9	.....
12236	10	.....	8	.....	8	.....	3	.....	1	.....
12238	12	.....	11	.....	12	.....	12	.....	12	.....
Totals.....	50	2,131	.....	2,126	.....	2,088	.....	1,783	.....	1,752

*2 mines.

†14 mines.

TABLE VI₂₃—COAL MINING—STARK COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
60	60	....	60	....	60	....	60	....	60	....	60	....
40	35	....	30	....	28	....	30	....	31	....	....	....
111	120	....	139	....	139	....	139	....	123	....	130	....
1	1	....	2	....	5	....	5	....	5	....	5	....
5	5	....	5	....	5	....	10	....	10	....	15	....
3	3	....	4	....	5	....	6	....	6	....	6	....
8	8	....	2	....	2	....	2	....	2	....	2	....
5	5	....	6	....	2	....	2	....	11	....	11	....
8	8	....	2	....	2	....	2	....	2	....	2	....
8	8	....	2	....	2	....	2	....	2	....	2	....
5	5	....	5	....	4	....	5	....	5	....	5	....
....	1	....	2	....	2	....	3	....	3	....
....	3	....	3	....	3	....	3	....
....	1	....	1	....	3	....	3	....	3	....
....	4	....	4	....
43	40	....	31	....	29	....	3	....	....	....	....	....
1,100	1,100	....	1,300	....	1,300	....	1,300	....	1,300	....	1,300	....
52	52	....	52	....	69	....	66	....	65	....	85	....
49	11	....	45	....	39	....	37	....	43	....	51	....
5	3	....	5	....	6	....	5	....	5	....	5	....
2	2	....	3	....	3	....	5	....	5	....	5	....
1	1	....	1	....	1	....	1	....	1	....	1	....
....
....	3	....	3	....	3	....	3	....
....	2	....	2	....	2	....	2	....
55	51	....	48	....	65	....	63	....	71	....	38	....
17	23	....	51	....	52	....	54	....	58	....	28	....
26	33	....	40	....	30	....	33	....	30	....	35	....
42	31	....	30	....	30	....	37	....	30	....	37	....
24	28	....	35	....	44	....	30	....	61	....	57	....
16	16	....	16	....	16	....	16	....	16	....	16	....
10	10	....	10	....	10	....	12	....	14	....	14	....
7	7	....	7	....	8	....	9	....	13	....	14	....
1	4	....	6	....	10	....	10	....	10	....	10	....
10	12	....	12	....	....	....	....	....	....	....	....	....
1,702	1,670	....	1,959	....	1,994	....	1,970	....	2,008	....	1,959	....

TABLE VI₂₄—COAL MINING—SUMMIT COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7997	7	...	7	...	7	...	5	...	...	...
7998	8	...	8	...	8	...	3	...	...	...
7999	23	...	21	...	16	...	14	...	11	...
8000	5	...	5	...	...	...	...	...	...	...
8002	7	...	7	...	7	...	7	...	7	...
Totals..... 5	50	....	48	....	38	....	29	....	18	....

TABLE VI₂₄—COAL MINING—SUMMIT COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
.....	6	.....	7	.....	7	.....
14	12	.....	13	.....	24	.....	5	.....	6	.....	5	.....
.....	5	.....	5	.....	19	.....	17	.....	20	.....
7	7	.....	7	.....	7	.....	5	.....	5	.....	5	.....
.....	7	.....	7	.....	7	.....
21	19	.....	25	.....	36	.....	42	.....	42	.....	44	.....

TABLE VI₂₅—COAL MINING—TRUMBULL COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
8009	26	....	26	....	25	....	20	....	16	....
8010	4	....	4	....	4	....	4	....	4	....
8011	4	....	4	....	4	....	4	....	4	....
Totals..... 3	30	....	30	....	29	....	24	....	20	....

TABLE VI₂₅—COAL MINING—TRUMBULL COUNTY.
Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
15	13	....	15	....	17	....	20	....	25	....	27	....
.... 4 4	....	.... 4	....	.... 4	....	.... 4	....	.... 4	....	.... 4	....
19	17	....	19	....	21	....	26	....	31	....	33	....

TABLE VI26—COAL MINING—TUSCARAWAS COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
8015	55	...	60	...	50	...	48	...	43	...
8016*	303	...	276	...	240	...	204	...	215	...
8017	...	...	...	...	...	...	10	...	6	...
8018	140	...	141	...	125	...	125	...	128	...
8019	20	...	20	...	16	...	14	...	12	...
8020	...	...	...	...	...	...	15	...	15	...
8021	25	...	24	...	29	...	28	...	29	...
8022	35	...	35	...	35	...	35	...	35	...
8023	32	...	30	...	40	...	30	...	26	...
8024	7	...	7	...	7	...	7	...	7	...
8026	6	...	6	...	6	...	4	...	4	...
8027	6	...	4	...	3	...	2	...	1	...
8029	...	...	...	...	...	...	...	...	...	...
8030	15	...	13	...	12	...	13	...	13	...
8031†	181	...	176	...	175	...	176	...	184	...
8034	3	...	3	...	7	...	8	...	9	...
8035	...	...	...	...	10	...	20	...	25	...
8036	7	...	7	...	...	...	7	...	...	...
8037‡	385	...	385	...	385	...	385	...	385	...
8038	119	...	119	...	119	...	119	...	119	...
8039	6	...	6	...	6	...	6	...	6	...
8040	3	...	3	...	3	...	3	...	3	...
8041	2	...	2	...	2	...	...	...	...	...
8042‡	49	...	46	...	47	...	36	...	28	...
8044	...	...	...	...	...	...	...	...	...	...
8046	2	...	2	...	2	...	2	...	2	...
8047	2	...	2	...	2	...	...	...	...	...
8049	13	...	21	...	16	...	23	...	20	...
8051	...	...	...	...	...	...	...	...	...	...
8090	111	...	128	...	155	...	183	...	175	...
8124	63	...	63	...	63	...	63	...	63	...
2244	82	...	81	...	80	...	79	...	81	...
2245	80	...	80	...	80	...	80	...	80	...
2247‡	46	...	48	...	59	...	40	...	41	...
Totals..... 42	1,800	....	1,791	....	1,783	....	1,767	....	1,757	....

*4 mines.

†3 mines.

‡2 mines.

TABLE VI₂₆—COAL MINING—TUSCARAWAS COUNTY.

Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
50		41		43		43		45		50		55	
209		213		191		185		187		165		173	
6		6		6		6		6					
134		132		136		137		132		130		132	
10		10		12		14		16		20		20	
17		17		15		12		11					
38		31		29		26		25					
35		35		35		35		35		35		35	
28		34		35		30		35		38		41	
7		7		7		7		7		7		8	
4		4		4		4		6		6		6	
1		1		1		1		3		3		4	
2		2		2		2		2		2		2	
13		12		13		17		17		15		20	
185		188		175		160		155		153		165	
9		11		11		12		11					
22		18		22		24		13		10			
										7		7	
385		385		385		385		385		385		385	
119		119		119		119		119		119		119	
6		6		6		6		6		6		5	
3		3		3		3		3		3		3	
								2		2		2	
27		27		20		34		34		44		54	
								20		22		34	
2		2		2		2							
								2		2		2	
22		29		24		32		36		41		61	
						100		100		100		100	
173		173		200		202		208		211		211	
63		63		63		63		63		63		63	
84		76		78		79		83		82		80	
80		80		80		80		80		80		80	
49		52		49		54		68		83		70	
1,783		1,777		1,766		1,874		1,915		1,884		1,937	

TABLE VI27—COAL MINING—VINTON COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
8053*	43	....	50	....	44	....	32	....	39	....
8054	30	....	69	....	66	....	41	....	40	....
8055	19	....	28	....	35	....	29	....	30	....
8056	10	....	10	....	10	....	10	....	10	....
8057	65	....	65	....	62	....	58	....	57	....
8113	63	....	67	....	54	....	59	....	70	....
8135	60	....	60	....	60	....	60	....	60	....
12252	....	....	....	....	....	....	....	....	....	....
Totals..... 9	340	....	349	....	331	....	289	....	306	....

*2 mines.

TABLE VI27—COAL MINING—VINTON COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
33	45	....	44	....	37	....	34	....	47	....	37	....
47	49	....	70	....	74	....	72	....	66	....	66	....
29	30	....	30	....	26	....	24	....	27	....	29	....
10	10	....	10	....	10	....	10	....	10	....	10	....
48	48	....	50	....	50	....	60	....	62	....	66	....
71	64	....	68	....	78	....	82	....	79	....	84	....
60	60	....	60	....	60	....	60	....	60	....	60	....
.....	11	....	19	....	22	....	20	....	18	....
298	306	....	343	....	354	....	364	....	371	....	369	....

TABLE VI₂₈—COAL MINING—WASHINGTON COUNTY.

Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
2	2	....	2	....	3	....	5	....	5	....	5	....

TABLE VI₂₉—COAL MINING—WAYNE COUNTY.

Schedule Number.		January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
8067	.....	12	....	12	....	12	....	12	....	12	....
8070	.....	85	....	85	....	85	....	85	....	85	....
8071	.....	84	....	84	....	84	....	84	....	84	....
8072	.....	67	....	67	....	67	....	...	....	...	....
Totals.....	4	248	....	248	....	248	....	181	....	181	....

TABLE VI₂₉—COAL MINING—WAYNE COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
12	12	....	12	....	12	....	12	....	12	....	12	....
85	85	....	85	....	85	....	85	....	85	....	85	....
10	10	....	10	....	10	....	60	....	84	....	84	....
....	67	....	67	....	67	....	67	....	67	....
107	107	....	174	....	174	....	224	....	248	....	248	....

TABLE VII—COAL MINING.

Giving Totals and Averages for State, Occupations, Total Number Employed, Average Number Days Worked, Average Daily Wages, Average Yearly Earnings and Average Hours of Daily Labor for the Year 1903.

Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pick miners.....	12,746	193	\$2 60	\$501 80	8
Machine cutters.....	1,769	190	3 81	723 90	8
Loaders.....	13,375	186	2 76	513 36	8
Track layers.....	629	196	2 49	488 04	8
Drivers.....	2,736	192	2 44	468 48	8
Timbermen.....	313	203	2 47	501 41	8
Pumpers.....	295	194	2 31	448 14	8
Cagers.....	282	176	2 14	376 64	8
Trappers.....	1,023	194	1 15	223 10	8
Other inside labor.....	1,487	204	2 28	465 12	8
Engineers.....	470	190	2 57	488 30	8.6
Firemen.....	264	191	2 23	425 93	8.2
Weighmen.....	312	191	2 25	429 75	8.1
Dumpers.....	401	183	2 12	387 96	8.2
Trimmers.....	705	192	2 19	420 48	8
Carpenters.....	170	195	2 61	508 95	8.1
Blacksmiths.....	413	192	2 59	497 28	8
Greasers.....	211	188	1 42	266 96	8
Hostlers.....	155	195	1 90	370 50	8.1
Other outside labor.....	915	185	2 05	379 25	8
Totals and averages.....	38,671	191	2 60	496 60	8

TABLE VIII—COAL MINING.

Giving Totals and Averages by Counties, Occupations, Total Number Employed, Average Number Days Worked, Average Daily Wages, Average Yearly Earnings and Average Hours of Daily Labor for the Year 1903.

ATHENS COUNTY.

Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pick miners.....	371	167	\$2 89	\$482 63	8
Machine cutters.....	363	163	4 24	691 12	8
Loaders.....	3,323	167	2 85	475 95	8
Track layers.....	67	169	2 55	430 95	8
Drivers.....	352	171	2 52	430 92	8
Timbermen.....	34	173	2 54	439 42	8
Pumpers.....	40	160	2 34	374 40	8.2
Cagers.....	54	161	2 55	410 55	8
Trappers.....	162	170	1 12	190 40	8
Other inside labor.....	177	155	2 49	385 95	8
Engineers.....	59	160	2 74	438 40	9.1
Firemen.....	36	161	2 31	371 91	8.3
Weighmen.....	34	168	2 39	401 52	8
Dumpers.....	50	160	2 36	377 60	8
Trimmers.....	95	179	2 36	422 44	8
Carpenters.....	36	162	2 63	426 06	8
Blacksmiths.....	51	159	2 92	464 28	8
Greasers.....	32	175	1 62	283 50	8
Hostlers.....	22	153	1 93	295 29	8
Other outside labor.....	71	179	2 13	381 27	8

BELMONT COUNTY.

Pick miners.....	1,614	187	2 79	531 73	8
Machine cutters.....	217	212	3 35	710 20	8
Loaders.....	986	201	2 61	524 61	8
Track layers.....	46	190	2 58	490 20	8
Drivers.....	274	192	2 65	508 80	8
Timbermen.....	30	186	2 67	496 62	8
Pumpers.....	11	204	2 62	534 48	8
Cagers.....	5	183	2 24	409 92	8
Trappers.....	83	196	1 77	346 92	8
Other inside labor.....	79	189	2 54	480 06	8
Engineers.....	38	196	2 77	542 92	9
Firemen.....	21	186	2 38	442 68	8.9
Weighmen.....	26	179	2 37	424 23	8.2
Dumpers.....	25	196	2 08	407 68	8
Trimmers.....	58	186	2 13	396 18	8
Carpenters.....	18	178	2 98	530 44	8
Blacksmiths.....	37	187	2 99	559 13	8
Greasers.....	16	192	1 58	303 36	8
Hostlers.....	17	183	1 98	362 34	9.7
Other outside labor.....	105	167	2 02	337 34	8

CARROLL COUNTY.

Pick miners.....	48	163	3 07	500 41	8
Machine cutters.....	68	195	3 32	647 40	8
Loaders.....	378	193	2 71	523 03	8
Track layers.....	12	205	2 56	524 80	8
Drivers.....	47	192	2 52	483 84	8
Timbermen.....	10	197	2 56	504 32	8
Pumpers.....	10	213	2 25	479 25	8
Cagers.....	4	200	2 56	512 00	8
Trappers.....	20	172	1 14	196 28	8
Other inside labor.....	27	175	2 41	421 75	8
Engineers.....	12	200	2 51	502 00	8
Firemen.....	3	177	2 25	398 25	8
Weighmen.....	5	199	2 46	489 54	8
Dumpers.....	5	213	1 96	417 48	8

TABLE VIII—COAL MINING—Continued.

CARROLL COUNTY—Concluded.

Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Trimmers.....	17	199	\$2 00	\$398 00	z
Carpenters.....	2	232	z 32	538 24	z
Blacksmiths.....	9	196	z 67	523 32	z
Greasers.....	5	199	1 33	264 67	z
Hostlers.....	4	189	z 1z	400 68	z
Other outside labor.....	8	190	z 01	381 90	z

COLUMBIANA COUNTY.

Pick miners.....	684	236	2 40	566 40	z
Machine cutters.....	34	220	z 85	627 00	z
Loaders.....	301	230	z 32	533 60	z
Track layers.....	38	234	z 45	573 30	z
Drivers.....	109	234	z 46	575 64	z
Timbermen.....	5	204	z 50	510 00	z
Pumpers.....	15	247	z 33	575 51	z
Cagers.....	10	241	z 36	568 76	z
Trappers.....	17	236	1 15	271 40	z
Other inside labor.....	23	251	z 36	592 36	z
Engineers.....	23	231	z 41	556 71	z
Firemen.....	8	243	z 02	490 86	z
Weighman.....	18	235	z 23	524 05	z.1
Dumpers.....	14	254	z 01	510 54	z
Trimmers.....	20	231	1 96	452 76	z
Carpenters.....	2	220	z 00	440 00	z
Blacksmiths.....	20	230	z 48	570 40	z
Greasers.....	11	230	1 56	358 80	z
Hostlers.....	6	239	1 49	356 11	z
Other outside labor.....	24	224	1 79	400 96	z

COSHOCTON COUNTY.

Pick miners.....	384	220	2 49	547 80	z
Machine cutters.....	8	150	3 20	480 00	z
Loaders.....	280	214	2 64	564 96	z
Track layers.....	20	214	2 54	543 56	z
Drivers.....	70	221	2 54	561 34	z
Timbermen.....	16	224	2 44	546 56	z
Pumpers.....	10	213	2 40	511 20	z
Trappers.....	11	213	1 52	323 76	z
Other inside labor.....	20	228	2 55	581 40	z
Engineers.....	8	206	2 72	560 32	z
Firemen.....	2	225	2 36	531 00	z
Weighmen.....	7	213	2 54	541 02	z
Dumpers.....	22	210	1 94	407 40	z
Trimmers.....	11	204	z 21	450 84	z
Carpenters.....	6	207	z 29	474 03	z
Blacksmiths.....	9	216	z 58	557 28	z
Greasers.....	5	229	1 24	283 96	z
Hostlers.....	5	211	1 74	367 14	z
Other outside labor.....	17	225	1 99	447 75	z

GALLIA COUNTY.

Pick miners.....	36	250	1 64	410 00	z
Drivers.....	6	250	1 76	440 00	z
Other inside labor.....	2	250	1 76	440 00	z
Trimmer.....	1	250	1 60	400 00	z
Hostler.....	1	250	1 25	312 50	z
Other outside labor.....	2	250	1 32	330 00	z

TABLE VIII—COAL MINING—Continued.

GUERNSEY COUNTY.

Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pick miners.....	144	183	\$3 02	\$552 66	8
Machine cutters.....	205	213	3 50	745 50	8
Loaders.....	1,544	211	2 90	611 90	8
Track layers.....	52	207	2 58	534 06	8
Drivers.....	246	208	2 56	532 48	8
Timbermen.....	61	213	2 55	543 15	8
Pumpers.....	32	211	2 41	508 51	8
Cagers.....	38	204	2 55	520 20	8
Trappers.....	87	217	1 13	245 21	8
Other inside labor.....	140	214	2 36	505 04	8
Engineers.....	39	207	2 63	54 41	8
Firemen.....	37	212	2 39	506 68	8
Weighmen.....	18	200	2 50	500 00	8
Dumpers.....	16	204	2 36	481 44	8
Trimmers.....	46	204	2 41	491 64	8
Carpenters.....	14	216	2 60	561 60	8
Blacksmiths.....	28	206	2 83	582 98	8
Greasers.....	9	220	1 64	360 80	8
Hostlers.....	14	210	2 03	426 30	8
Other outside labor.....	68	195	1 97	384 15	8

HARRISON COUNTY.

Pick miners.....	362	191	2 81	536 71	8
Machine cutters.....	4	206	2 90	597 40	8
Loaders.....	22	206	2 80	576 80	8
Track layers.....	12	190	2 47	469 30	8
Drivers.....	27	188	2 52	473 76	8
Timbermen.....	4	209	2 41	503 69	8
Pumpers.....	3	206	2 56	527 36	8
Cagers.....	1	220	1 68	369 60	8
Trappers.....	9	195	1 12	218 40	8
Other inside labor.....	21	192	2 41	462 72	8
Engineers.....	3	174	2 38	414 12	8
Firemen.....	1	206	1 92	393 52	8
Weighman.....	3	174	1 78	309 72	8
Dumpers.....	3	133	1 97	222 01	8
Trimmers.....	9	195	1 93	376 35	8
Carpenters.....	2	206	2 36	486 16	8
Blacksmiths.....	4	179	2 59	463 61	8
Hostlers.....	1	206	2 10	432 60	8
Other outside labor.....	13	216	1 90	410 40	8

HOCKING COUNTY.

Pick miners.....	137	178	2 88	512 64	8
Machine cutters.....	197	177	5 46	966 42	8
Loaders.....	1,880	178	2 87	510 86	8
Track layers.....	32	175	2 58	451 50	8
Drivers.....	167	177	2 56	453 12	8
Timbermen.....	13	151	2 56	386 56	8
Pumpers.....	16	173	2 52	435 96	8
Trappers.....	95	180	1 13	204 53	8
Other inside labor.....	120	189	2 55	481 95	8
Engineers.....	25	177	2 67	472 59	8
Firemen.....	16	181	2 34	423 54	8
Weighmen.....	14	175	2 26	395 50	8
Dumpers.....	20	164	2 37	388 68	8
Trimmers.....	76	177	2 36	417 72	8
Carpenters.....	12	175	2 72	476 00	8
Blacksmiths.....	17	169	3 07	518 83	8
Greasers.....	13	165	1 53	252 45	8
Hostlers.....	11	164	2 09	342 76	8
Other outside labor.....	59	178	2 35	418 30	8

TABLE VIII—COAL MINING—Continued.

HOLMES COUNTY.

Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pick miners.....	52	248	\$1 98	\$491 04	7.8
Track layers.....	2	186	2 28	424 08	8
Drivers.....	5	242	1 92	464 64	8
Other inside labor.....	3	245	1 42	347 90	7.2
Engineer.....	1	237	2 00	474 00	8
Weighmen.....	2	268	1 63	436 84	8
Dumper.....	1	237	1 75	414 75	8
Trimmer.....	1	237	1 75	414 75	8
Blacksmith.....	1	237	2 00	474 00	8
Other outside labor.....	2	300	1 50	450 00	8

JACKSON COUNTY.

Pick miners.....	1,860	239	2 55	609 45	7.8
Machine cutters.....	114	258	2 99	771 42	8
Loaders.....	235	219	2 43	532 17	8
Track layers.....	62	237	2 31	547 47	8
Drivers.....	409	255	2 04	520 20	8
Timbermen.....	34	275	2 10	577 50	8
Pumpers.....	27	253	2 02	511 06	8
Cagers.....	51	261	2 13	555 93	8
Trappers.....	152	264	1 00	264 00	8
Other inside labor.....	276	258	2 08	536 64	8
Engineers.....	39	244	2 49	607 56	8
Firemen.....	33	260	2 07	538 20	8
Weighmen.....	39	226	2 04	461 04	8
Dumpers.....	33	237	2 04	483 48	8
Trimmers.....	75	243	2 04	495 72	8
Carpenters.....	8	246	2 18	536 28	8
Blacksmiths.....	47	239	2 53	604 67	8
Greasers.....	36	251	1 28	321 28	8
Hostlers.....	17	249	1 72	428 28	8
Other outside labor.....	80	523	2 01	508 53	8

JEFFERSON COUNTY.

Pick miners.....	1,484	207	\$2 20	\$474 03	8
Machine cutters.....	190	194	3 07	595 58	8
Loaders.....	1,386	199	2 18	433 82	8
Track layers.....	59	190	2 44	463 60	8
Drivers.....	212	190	2 48	471 20	8
Timbermen.....	34	181	2 43	439 83	8
Pumpers.....	17	209	2 24	468 16	8
Cagers.....	8	192	2 26	433 92	8.2
Trappers.....	108	205	1 06	217 30	8
Other inside labor.....	183	190	2 22	421 80	8.2
Engineers.....	27	204	2 70	550 80	8.4
Firemen.....	16	176	2 08	366 08	8
Weighmen.....	20	203	2 30	466 90	8.5
Dumpers.....	40	169	1 94	327 86	8.5
Trimmers.....	48	197	1 95	384 15	8
Carpenters.....	22	229	2 37	542 73	8.3
Blacksmiths.....	37	204	2 45	499 80	8.1
Greasers.....	17	210	1 29	270 90	8
Hostlers.....	13	190	2 12	402 80	8.1
Other outside labor.....	227	145	2 04	295 81	8.1

LAWRENCE COUNTY.

Pick miners.....	214	241	2 18	525 38	8
Machine cutters.....	8	275	2 75	756 25	8
Loaders.....	40	275	2 91	800 25	8
Track layers.....	4	239	2 53	604 67	8
Drivers.....	22	252	1 99	501 48	8
Timbermen.....	2	275	2 00	550 00	8
Pumper.....	1	275	1 85	508 75	8

TABLE VIII—COAL MINING—Continued.

.. LAWRENCE COUNTY—Concluded.

Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Trappers.....	6	251	\$0 91	\$228 41	8
Other inside labor.....	30	260	1 99	517 40	8
Engineer.....	1	275	2 30	632 50	8
Fireman.....	1	275	2 00	550 00	8
Weighmen.....	5	243	2 03	493 29	8
Dumpers.....	2	204	1 91	389 64	8
Trimmers.....	5	246	1 92	472 32	8
Carpenters.....	2	275	2 00	550 00	10
Blacksmiths.....	4	253	2 22	561 66	8
Hostlers.....	2	239	1 33	317 87	6
Other outside labor.....	36	271	1 92	520 32	8

MAHONING COUNTY.

Pick miners.....	138	250	2 72	680 00	8
Track layers.....	6	261	2 56	668 16	8
Drivers.....	15	258	2 52	650 16	8
Pumper.....	1	273	2 00	546 00	8
Cager.....	1	273	2 36	644 28	8
Other inside labor.....	2	300	2 36	708 00	8
Engineers.....	4	248	2 56	634 88	8
Weighman.....	1	240	2 56	614 40	8
Dumper.....	1	240	1 91	458 40	8
Trimmer.....	1	240	1 91	458 40	8
Blacksmiths.....	2	256	2 56	655 36	8
Other outside labor.....	7	273	1 93	526 89	8

MEDINA COUNTY.

Pick miners.....	484	234	2 31	540 54	8
Track layers.....	8	207	2 56	529 92	8
Drivers.....	23	218	2 55	555 90	8
Timbermen.....	2	190	2 56	486 40	8
Pumpers.....	2	190	2 00	380 00	8
Cagers.....	3	190	2 56	486 40	8
Trappers.....	6	213	1 04	221 52	8
Other inside labor.....	1	272	2 56	696 32	8
Engineers.....	12	218	2 45	534 10	8
Firemen.....	2	190	2 00	380 00	8
Weighmen.....	5	206	2 00	412 00	8
Dumpers.....	6	219	1 91	418 29	8
Trimmers.....	3	213	2 00	426 00	8
Blacksmiths.....	4	207	2 37	490 59	8
Greasers.....	2	190	1 25	237 50	8
Other outside labor.....	2	190	2 50	475 00	8

MEIGS COUNTY.

Pick miners.....	462	205	2 23	457 15	8.5
Loaders.....	5	190	1 87	355 30	8.5
Track layers.....	12	188	2 01	377 88	8.3
Drivers.....	70	198	1 78	352 44	8.4
Pumpers.....	5	184	1 82	334 88	8.2
Trappers.....	10	216	1 76	380 16	8.4
Other inside labor.....	29	252	1 50	378 00	8.5
Engineers.....	4	216	2 02	436 32	9.7
Firemen.....	1	300	1 50	450 00	9
Weighmen.....	5	204	1 68	342 72	8.9
Dumpers.....	17	189	1 56	294 84	8.4
Trimmers.....	5	184	1 49	274 13	9
Carpenters.....	6	217	2 08	451 36	8.8
Blacksmiths.....	9	187	2 01	375 87	8.8
Greasers.....	3	208	1 93	403 44	8.8
Hostlers.....	4	238	1 22	290 36	9.5
Other outside labor.....	39	196	1 45	284 20	8.5

TABLE VIII—COAL MINING—Continued.

MORGAN COUNTY.

Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pick miners.....	27	162	\$3 50	\$567 00	8
Machine cutters.....	11	166	3 70	614 20	8
Loaders.....	44	166	3 70	614 20	8
Track layers.....	3	164	2 62	429 68	8
Drivers.....	10	164	2 56	419 84	8
Trappers.....	4	166	1 13	187 58	8
Other inside labor.....	6	165	2 36	389 40	8
Engineers.....	2	166	3 40	564 40	8
Fireman.....	1	166	2 36	391 76	8
Weighmen.....	2	164	2 58	423 12	8
Dumpers.....	1	162	2 56	414 72	8
Trimmers.....	3	164	2 52	413 28	8
Blacksmiths.....	2	164	2 78	455 92	8
Other outside labor.....	4	166	2 36	391 76	8

MUSKINGUM COUNTY.

Pick miners.....	387	186	2 54	467 36	8.5
Track layers.....	5	148	2 51	371 48	8
Drivers.....	45	173	2 37	410 01	8
Trappers.....	9	165	1 13	186 45	8
Other inside labor.....	19	202	2 22	448 44	8
Weighmen.....	8	191	2 29	437 39	8
Dumpers.....	9	166	2 15	356 90	8
Trimmers.....	9	171	2 36	403 56	8
Blacksmiths.....	5	165	2 65	437 25	8
Hostler.....	1	130	2 00	260 00	8

NOBLE COUNTY.

Pick miners.....	33	166	1 78	295 48	8
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PERRY COUNTY.

Pick miners.....	605	159	3 31	526 29	8
Machine cutters.....	298	167	3 98	664 66	8
Loaders.....	2,655	172	2 92	502 24	8
Track layers.....	76	164	2 55	418 20	8
Drivers.....	299	152	2 53	384 56	8
Timbermen.....	47	192	2 49	478 08	8
Pumpers.....	46	161	2 24	360 64	8
Cagers.....	71	90	1 40	126 00	8
Trappers.....	130	146	1 15	167 90	8
Other inside labor.....	173	184	2 38	437 92	8
Engineers.....	57	160	2 64	422 40	8.7
Firemen.....	45	154	2 35	361 90	8.4
Weighmen.....	36	155	2 36	365 80	8
Dumpers.....	58	136	2 37	324 32	8
Trimmers.....	101	158	2 44	385 52	8
Carpenters.....	34	192	2 60	499 20	8
Blacksmiths.....	59	167	2 86	477 62	8
Greasers.....	33	102	1 52	155 04	8
Hostlers.....	25	200	1 94	388 00	8
Other outside labor.....	119	180	2 26	406 80	8

PORTAGE COUNTY.

Pick miners.....	120	185	2 00	370 00	8
Track layer.....	10	185	2 50	462 50	8
Drivers.....	10	185	2 56	473 60	8
Cagers.....	3	185	1 75	323 75	8
Trappers.....	2	185	1 50	277 50	8
Other inside labor.....	3	185	1 50	277 50	8
Engineers.....	5	185	2 55	471 75	8
Firemen.....	2	185	2 40	444 00	8
Weighmen.....	2	185	2 50	462 50	8

TABLE VIII—COAL MINING—Continued.

PORTAGE COUNTY—Concluded.

Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Dumpers.....	3	185	\$2 40	\$444 00	8
Trimmers.....	2	185	2 40	444 00	8
Carpenters.....	2	185	2 70	499 50	8
Blacksmiths.....	3	185	2 90	536 50	8
Other outside labor.....	5	185	1 75	323 75	8

SCIOTO COUNTY.

Pick miners.....	18	178	2 39	425 42	8
Track layer.....	1	178	2 31	411 18	8
Drivers.....	3	178	2 06	368 68	8
Other inside labor.....	6	178	2 06	368 68	8
Weighman.....	1	178	2 06	368 68	8
Dumpers.....	2	178	2 06	368 68	8
Trimmer.....	1	178	2 06	368 68	8
Blacksmith.....	1	178	2 06	368 68	8
Other outside labor.....	2	178	2 06	368 68	8

STARK COUNTY.

Pick miners.....	1,312	171	2 95	504 45	8
Machine cutters.....	19	154	3 16	486 64	8
Loaders.....	118	180	3 03	545 40	8
Track layers.....	39	185	2 56	473 60	8
Drivers.....	114	195	2 53	493 35	8
Timberman.....	1	363	2 36	856 68	8
Pumpers.....	38	190	2 36	448 40	8
Cagers.....	21	173	2 42	418 66	8
Trappers.....	53	185	1 13	209 05	8
Other inside labor.....	58	204	2 28	465 12	8
Engineers.....	68	175	2 38	416 50	8
Firemen.....	21	178	2 00	356 00	8
Weighman.....	27	186	2 04	379 44	8.1
Dumpers.....	30	184	2 01	369 84	8
Trimmers.....	54	190	1 90	361 00	8
Carpenters.....	3	173	2 33	403 09	8
Blacksmiths.....	24	177	2 80	495 60	8
Greasers.....	11	183	1 98	362 34	8
Hostlers.....	2	140	1 15	161 00	8
Other outside labor.....	8	193	1 91	368 63	8

SUMMIT COUNTY.

Pick miners.....	31	175	2 08	364 00	8
Track layers.....	2	202	2 18	440 36	8
Drivers.....	5	180	2 32	417 60	8
Engineers.....	2	169	2 28	385 32	8
Weighman.....	1	204	2 56	522 24	8

TRUMBULL COUNTY.

Pick miners.....	24	215	2 35	505 25	8
Track layer.....	1	233	2 50	582 50	8
Driver.....	1	233	2 56	596 48	8
Engineer.....	1	233	2 25	524 25	8
Weighman.....	1	233	2 00	466 00	8

TUSCARAWAS COUNTY.

Pick miners.....	1,334	121	2 40	290 40	8
Machine cutters.....	15	217	3 15	683 55	8
Loaders.....	98	198	2 99	592 02	8
Track layers.....	49	205	2 39	489 95	8
Drivers.....	153	199	2 51	499 49	8
Timbermen.....	20	177	2 50	442 50	8
Pumpers.....	16	176	2 32	408 32	8
Cagers.....	8	237	2 56	606 72	8

TABLE VIII—COAL MINING—Concluded.

TUSCARAWAS COUNTY—Concluded.

Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Trappers.....	41	183	\$1 19	\$217 77	8
Other inside labor.....	83	183	2 02	379 76	8
Engineers.....	25	177	2 43	430 11	8
Firemen.....	11	205	2 06	422 30	8.1
Weighmen.....	26	183	2 33	426 39	8
Dumpers.....	35	183	2 04	373 32	8
Trimmers.....	50	193	2 04	393 72	8
Carpenter.....	1	108	2 50	270 00	8
Blacksmiths.....	31	193	2 58	497 94	8
Greasers.....	18	179	1 28	229 12	8
Hostlers.....	8	187	2 24	418 88	8
Other outside labor.....	14	184	2 22	408 48	8

VINTON COUNTY.

Pick miners.....	189	181	2 92	528 52	8
Machine cutters.....	18	202	2 50	505 00	8
Loaders.....	80	200	2 17	434 00	8
Track layers.....	7	204	2 27	463 08	8
Drivers.....	29	200	2 06	412 00	8
Cager.....	1	180	2 06	370 80	8
Trappers.....	12	191	1 00	191 00	8
Other outside labor.....	4	207	2 12	438 84	8
Engineers.....	8	202	2 37	478 74	8.2
Firemen.....	4	185	2 14	395 90	8
Weighmen.....	6	189	2 08	393 12	8
Dumpers.....	5	212	2 06	436 72	8
Trimmers.....	9	201	2 06	414 06	8
Carpenter.....	1	186	2 06	383 16	8
Blacksmiths.....	6	198	2 20	435 60	7.7

WASHINGTON COUNTY.

Pick miners.....	5	234	1 50	351 00	8
Other inside labor.....	1	234	2 36	552 64	8
Other outside labor.....	1	234	1 50	351 00	9

WAYNE COUNTY.

Pick miners.....	187	147	2 60	382 20	8
Track layers.....	4	144	2 56	368 64	8
Drivers.....	13	146	2 56	373 76	8
Pumpers.....	5	135	2 39	322 65	8
Cagers.....	3	142	2 49	353 58	8
Trappers.....	6	150	1 09	163 50	8
Other inside labor.....	1	100	2 36	236 00	8
Engineers.....	7	139	2 40	333 60	8
Firemen.....	3	142	2 00	284 00	8
Weighmen.....	2	125	2 25	281 25	8
Dumpers.....	3	144	2 08	295 36	8
Trimmers.....	5	175	1 98	346 50	8
Blacksmiths.....	3	142	2 54	360 68	8
Hostlers.....	2	125	1 56	195 00	8
Other outside labor.....	2	175	2 50	437 50	8

TABLE IX—COAL MINING.

GIVING OCCUPATIONS, NUMBER EMPLOYED, NUMBER DAYS WORKED,
DAILY WAGES, YEARLY EARNINGS AND HOURS OF
DAILY LABOR FOR THE YEAR 1903.

TABLE IX₁—COAL MINING—ATHENS COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7500	Machine cutters.....	2	131	\$4 01	\$525 31	8
7500	Loaders.....	63	131	3 03	396 93	8
7500	Track layers.....	2	131	2 56	335 36	8
7500	Drivers.....	2	131	2 56	335 36	8
7500	Timbermen.....	2	131	2 56	335 36	8
7500	Pumpers.....	2	131	2 56	335 36	8
7500	Cagers.....	2	131	2 56	335 36	8
7500	Trappers.....	2	131	2 56	335 36	8
7500	Other inside labor.....	2	131	1 13	148 03	8
7500	Engineers.....	2	131	1 75	220 25	8
7500	Firemen.....	2	131	2 75	360 25	8
7500	Weighmen.....	1	131	2 36	319 36	8
7500	Dumpers.....	2	131	2 00	262 00	8
7500	Trimmers.....	2	131	2 36	319 36	8
7500	Carpenters.....	3	131	2 47	323 57	8
7500	Blacksmiths.....	1	131	2 00	262 00	8
7500	Hostler.....	1	131	2 50	327 50	8
7500	Pick miners.....	1	131	1 00	131 00	8
7501*	Machine cutters.....	10	235	2 50	587 50	8
7501	Loaders.....	12	235	3 00	705 00	8
7501	Track layers.....	110	235	2 50	587 50	8
7501	Drivers.....	4	235	2 81	660 35	8
7501	Timbermen.....	20	235	2 56	601 60	8
7501	Pumpers.....	4	235	2 36	554 60	8
7501	Cagers.....	2	235	2 36	554 60	8
7501	Trappers.....	3	235	1 13	265 55	8
7501	Other inside labor.....	2	235	2 36	554 60	8
7501	Engineers.....	2	235	2 87	674 45	8
7501	Firemen.....	2	235	2 12	498 20	12
7501	Weighmen.....	2	235	2 36	554 60	8
7501	Dumpers.....	3	235	2 36	554 60	8
7501	Trimmers.....	5	235	2 36	554 60	8
7501	Carpenters.....	1	235	2 50	587 50	8
7501	Blacksmiths.....	2	235	2 81	660 35	8
7501	Greasers.....	2	235	1 60	376 00	8
7501	Other outside labor.....	8	235	1 77	415 95	8
7502	Machine cutters.....	22	186	4 90	911 40	8
7502	Loaders.....	218	186	2 50	465 00	8
7502	Track layers.....	4	186	2 56	476 16	8
7502	Drivers.....	20	186	2 56	476 16	8
7502	Timbermen.....	3	186	2 56	476 16	8
7502	Pumpers.....	2	186	2 00	372 00	8
7502	Cagers.....	3	186	2 56	476 16	8
7502	Trappers.....	7	186	1 13	210 13	8
7502	Other inside labor.....	7	186	2 36	438 96	8
7502	Engineers.....	3	186	2 22	412 92	8
7502	Firemen.....	3	186	2 36	438 96	8
7502	Weighman.....	1	186	2 16	401 76	8
7502	Dumper.....	1	186	2 56	476 16	8
7502	Trimmers.....	6	186	2 36	438 96	8
7502	Carpenters.....	2	186	2 36	438 96	8
7502	Blacksmiths.....	2	186	2 81	522 66	8
7502	Greaser.....	1	186	1 68	312 48	8
7502	Hostler.....	1	186	1 83	340 38	8
7502	Other outside labor.....	5	186	2 53	470 58	8
7502 ¹ / ₂	Machine cutters.....	24	227	4 74	1,072 98	8
7502 ¹ / ₂	Loaders.....	235	227	3 30	749 10	8
7502 ¹ / ₂	Track layers.....	3	227	2 75	624 25	8
7502 ¹ / ₂	Drivers.....	20	227	2 56	581 12	8
7502 ¹ / ₂	Timbermen.....	2	227	2 75	624 25	8
7502 ¹ / ₂	Pumpers.....	2	227	2 25	510 75	8
7502 ¹ / ₂	Cagers.....	2	227	2 36	535 72	8
7502 ¹ / ₂	Trappers.....	13	227	1 13	256 51	8
7502 ¹ / ₂	Other inside labor.....	7	227	2 52	572 04	8
7502 ¹ / ₂	Engineers.....	2	227	3 00	681 00	8
7502 ¹ / ₂	Firemen.....	2	227	2 36	535 72	8
7502 ¹ / ₂	Weighman.....	1	227	2 25	510 75	8

*2 mines.

TABLE IX₁—COAL MINING—ATHENS COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7502 ¹ / ₂	Dumper.....	1	227	\$2 36	\$535 72	8
7502 ¹ / ₂	Trimmers.....	7	227	2 36	535 72	8
7502 ¹ / ₂	Carpenter.....	1	227	3 70	612 90	8
7502 ¹ / ₂	Blacksmiths.....	2	227	3 00	681 00	8
7502 ¹ / ₂	Greasers.....	2	227	1 90	431 30	8
7502 ¹ / ₂	Other outside labor.....	6	227	2 36	535 72	8
7503*	Pick miners.....	30	224	3 60	806 40	8
7503	Machine cutters.....	23	224	3 80	751 20	8
7503	Loaders.....	370	224	2 56	573 44	8
7503	Track layers.....	5	224	2 56	573 44	8
7503	Drivers.....	35	224	2 56	573 44	8
7503	Timbermen.....	4	224	2 56	573 44	8
7503	Pumpers.....	2	224	2 56	573 44	8
7503	Cagers.....	10	224	2 56	573 44	8
7503	Trappers.....	24	224	1 13	253 12	8
7503	Other inside labor.....	10	224	2 36	528 64	8
7503	Engineers.....	3	224	2 43	544 32	8
7503	Firemen.....	3	224	2 07	463 68	8
7503	Weighmen.....	2	224	2 05	459 20	8
7503	Dumpers.....	2	224	2 05	459 20	8
7503	Trimmers.....	10	224	2 36	528 64	8
7503	Carpenters.....	2	224	2 53	566 72	8
7503	Blacksmiths.....	3	224	2 57	575 68	8
7503	Greasers.....	4	224	1 41	315 84	8
7503	Hostlers.....	2	224	1 77	396 48	8
7503	Other outside labor.....	11	224	1 56	349 44	8
7504	Pick miners.....	15	122	3 00	366 00	8
7504	Drivers.....	2	122	2 56	312 32	8
7504	Weighman.....	1	122	1 67	203 74	8
7504	Trimmers.....	1	122	2 36	287 92	8
7505	Pick miners.....	10	150	1 25	187 50	8
7505	Driver.....	1	150	1 25	187 50	8
7505	Weighman.....	1	150	2 50	375 00	8
7506†	Pick miners.....	112	128	3 50	448 00	8
7506	Machine cutters.....	184	128	4 25	544 00	8
7506	Loaders.....	1,586	128	3 00	384 00	8
7506	Track layers.....	28	128	2 56	327 68	8
7506	Drivers.....	151	128	2 56	327 68	8
7506	Timbermen.....	14	128	2 56	327 68	8
7506	Pumpers.....	10	128	2 36	302 08	8
7506	Cagers.....	29	128	2 56	327 68	8
7506	Trappers.....	75	128	1 13	144 64	8
7506	Other inside labor.....	113	128	2 56	327 68	8
7506	Engineers.....	25	128	2 81	359 68	10
7506	Firemen.....	14	128	2 36	302 08	8
7506	Weighmen.....	12	128	2 75	352 00	8
7506	Dumpers.....	28	128	2 36	302 08	8
7506	Trimmers.....	28	128	2 36	302 08	8
7506	Carpenters.....	15	128	2 81	359 68	8
7506	Blacksmiths.....	27	128	3 00	384 00	8
7506	Greasers.....	12	128	1 41	180 48	8
7506	Hostlers.....	12	128	2 00	256 00	8
7506	Other outside labor.....	24	128	2 36	302 08	8
7508	Pick miner.....	1	104	2 00	208 00	8
7509	Pick miners.....	3	250	2 25	562 50	8
7513	Machine cutters.....	12	187	3 00	561 00	8
7513	Loaders.....	115	187	2 45	458 15	8
7513	Track layers.....	2	187	2 36	441 32	8
7513	Drivers.....	8	187	2 56	478 72	8
7513	Pumpers.....	2	187	2 36	441 32	8
7513	Cagers.....	3	187	2 56	478 72	8
7513	Trappers.....	5	187	1 13	211 31	8
7513	Other inside labor.....	4	187	2 56	478 72	8
7513	Engineers.....	2	187	2 64	493 68	8
7513	Firemen.....	2	187	2 36	441 32	8
7513.	Weighman.....	1	187	2 40	448 80	8

*2 mines.

†12 mines.

TABLE IXI—COAL MINING—ATHENS COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7513	Dumper.....	1	187	\$2 36	\$441 32	8
9513	Trimmers.....	6	187	2 36	441 32	8
7513	Carpenter.....	1	187	2 53	473 11	8
7513	Blacksmiths.....	2	187	2 81	525 47	8
7513	Other outside labor.....	2	187	2 36	441 32	8
7515	Machine cutters.....	12	209	6 80	1,421 20	8
7515	Loaders.....	130	209	5 50	522 50	8
7515	Track layers.....	3	209	5 56	535 04	8
7515	Drivers.....	22	209	5 56	535 04	8
7515	Pumper.....	1	209	2 02	422 18	8
7515	Trappers.....	9	209	1 13	236 17	8
7515	Other inside labor.....	18	209	2 36	493 24	8
7515	Engineers.....	3	209	2 75	574 25	8
7515	Fireman.....	1	209	2 36	493 24	8
7515	Weighman.....	1	209	2 25	470 25	8
7515	Dummers.....	4	209	2 53	528 77	8
7515	Trimmers.....	7	209	2 53	528 77	8
7515	Carpenter.....	1	209	2 81	587 29	8
7515	Blacksmiths.....	2	209	3 37	704 33	8
7515	Greasers.....	4	209	2 36	493 24	8
7515	Hostlers.....	1	209	2 02	422 18	8
7516	Pick miners.....	13	126	3 50	441 00	8
7516	Machine cutters.....	16	126	4 25	535 50	8
7516	Loaders.....	111	126	3 00	378 00	8
7516	Track layers.....	2	126	2 56	322 56	8
7516	Drivers.....	5	126	2 56	322 56	8
7516	Timberman.....	1	126	2 56	322 56	8
7516	Pumper.....	1	126	2 56	322 56	8
7516	Cagers.....	2	126	2 56	322 56	8
7516	Trappers.....	3	126	1 13	142 38	8
7516	Engineers.....	3	126	2 81	354 06	8
7516	Firemen.....	3	126	2 36	297 36	8
7516	Weighman.....	1	126	2 75	346 50	8
7516	Dumper.....	1	126	2 36	297 36	8
7516	Trimmer.....	1	126	2 36	297 36	8
7516	Carpenters.....	2	126	2 81	354 06	8
7516	Blacksmiths.....	2	126	3 00	378 00	8
7516	Greasers.....	2	126	1 41	177 66	8
7516	Hostlers.....	2	126	2 00	252 00	8
7517	Pick miners.....	25	200	2 50	500 00	8
7517	Track layer.....	1	200	2 50	500 00	8
7517	Trappers.....	2	200	1 12	224 00	8
7517	Weighman.....	1	200	2 00	400 00	8
7517	Trimmer.....	1	200	2 50	500 00	8
7517	Blacksmith.....	1	200	2 50	500 00	8
7518	Pick miners.....	35	216	2 30	496 80	7
7518	Machine cutters.....	3	216	3 70	799 20	8
7518	Loaders.....	30	216	1 65	356 40	7
7518	Track layer.....	1	216	2 41	520 56	7
7518	Drivers.....	8	216	2 33	503 28	7
7518	Timberman.....	1	216	2 33	503 28	8
7518	Trappers.....	2	216	1 06	228 96	7
7518	Engineer.....	1	216	4 00	864 00	7
7518	Weighman.....	1	216	2 00	432 00	7
7518	Dumper.....	1	216	2 24	483 86	7
7518	Trimmers.....	2	216	2 39	516 24	7
7518	Carpenter.....	1	216	2 39	516 24	7
7518	Blacksmith.....	1	216	2 53	544 48	7
7518	Greaser.....	1	216	1 33	287 28	7
7521	Machine cutters.....	4	193	3 00	579 00	8
7521	Loaders.....	41	193	3 00	579 00	8
7521	Track layer.....	1	193	2 56	494 08	8
7521	Drivers.....	8	193	2 56	494 08	8
7521	Timberman.....	1	193	2 56	494 08	8
7521	Pumpers.....	2	193	2 56	494 08	8
7521	Trapper.....	1	193	1 13	218 09	8
7521	Engineers.....	2	193	3 00	579 00	8
7521	Fireman.....	1	193	2 36	455 48	8

TABLE IX₁—COAL MINING—ATHENS COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7521	Weighman.....	1	193	\$2 36	\$455 48	z
7521	Dumper.....	1	193	2 36	455 48	z
7521	Trimmer.....	1	193	2 36	455 48	z
7521	Blacksmith.....	1	193	3 00	579 00	z
7521	Greasers.....	1	193	2 36	455 48	z
7521	Hostler.....	1	193	2 36	455 48	z
7522	Machine cutters.....	2	220	4 06	893 20	z
7522	Loaders.....	8	220	2 56	563 20	z
7522	Drivers.....	1	220	2 56	563 20	z
7522	Engineer.....	1	220	2 25	495 00	z
7522	Weighman.....	1	220	2 56	563 20	z
7524	Machine cutters.....	10	169	4 40	743 60	z
7524	Loaders.....	102	169	2 54	429 26	z
7524	Track layers.....	2	169	2 10	354 90	z
7524	Drivers.....	12	169	2 10	354 90	z
7524	Pumpers.....	2	169	2 10	354 90	z
7524	Trappers.....	4	169	1 00	169 00	z
7524	Other inside labor.....	6	169	2 10	354 90	z
7524	Engineers.....	2	169	2 25	380 25	9
7524	Fireman.....	1	169	2 10	354 90	z
7524	Dumper.....	1	169	2 25	380 25	z
7524	Trimmers.....	4	169	2 10	354 90	z
7524	Carpenter.....	1	169	2 10	354 90	z
7524	Blacksmith.....	1	169	2 50	422 50	z
7524	Greasers.....	1	169	2 10	354 90	z
7524	Other outside labor.....	8	169	2 10	354 90	z
7526	Pick miners.....	26	162	2 40	388 80	z
7526	Loaders.....	2	162	2 56	414 72	z
7526	Track layer.....	1	162	2 56	414 72	z
7526	Trapper.....	1	162	1 36	220 32	z
7526	Engineer.....	1	162	2 56	414 72	z
7526	Weighman.....	1	162	2 56	414 72	z
8137	Pick miners.....	8	365	3 00	1,095 00	z
8137	Machine cutters.....	2	365	3 00	1,095 00	z
8137	Loaders.....	3	365	2 25	821 25	z
8137	Drivers.....	2	365	2 00	730 00	z
8138	Machine cutters.....	6	185	4 50	832 50	z
8138	Loaders.....	62	185	3 00	555 00	z
8138	Track layers.....	2	185	2 56	473 60	z
8138	Drivers.....	6	185	2 56	473 60	z
8138	Pumpers.....	2	185	2 36	436 00	12
8138	Cager.....	1	185	2 56	473 60	z
8138	Trappers.....	4	185	1 13	209 05	z
8138	Other inside labor.....	2	185	2 36	436 60	z
8138	Engineers.....	2	185	3 12	577 20	11
8138	Fireman.....	1	185	2 36	436 60	11
8138	Weighman.....	1	185	2 50	462 50	z
8138	Dumper.....	1	185	2 36	436 60	z
8138	Trimmers.....	3	185	2 36	436 60	z
8138	Carpenter.....	1	185	3 00	555 00	z
8138	Blacksmith.....	1	185	2 81	519 85	z
8138	Greasers.....	1	185	1 41	260 85	z
8138	Hostler.....	1	185	1 75	423 75	z
8138	Other outside labor.....	3	185	1 97	364 45	z
8139	Pick miners.....	30	185	2 00	370 00	z
8139	Track layer.....	1	185	2 00	370 00	z
8139	Drivers.....	3	185	2 00	370 00	z
8139	Trapper.....	1	185	75	138 75	z
8139	Engineer.....	1	185	2 00	370 00	z
8139	Weighman.....	1	185	2 00	370 00	z
8139	Trimmer.....	1	185	2 00	370 00	z
8140	Pick miners.....	15	100	2 70	270 00	z
8140	Drivers.....	2	100	1 85	185 00	z
8140	Trimmer.....	1	100	2 00	200 00	z
8142	Machine cutters.....	16	215	3 96	851 40	z
8142	Loaders.....	133	215	2 79	599 85	z
8142	Track layers.....	4	215	2 56	560 40	z
8142	Drivers.....	12	215	2 56	560 40	z

TABLE IXI.—COAL MINING—ATHENS COUNTY—Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8142	Timbermen.....	2	215	\$2 56	\$560 40	00000000
8142	Pumpers.....	2	215	2 36	507 40	00000000
8142	Trappers.....	6	215	1 15	247 25	00000000
8142	Other outside labor.....	6	215	2 36	507 40	00000000
8142	Engineers.....	2	215	2 56	560 40	00000000
8142	Weighman.....	1	215	2 50	537 50	00000000
8142	Dumpers.....	2	215	2 36	507 40	00000000
8142	Trimmers.....	6	215	2 36	507 40	00000000
8142	Carpenters.....	2	215	2 56	560 40	00000000
8142	Blacksmith.....	1	215	3 50	752 50	00000000
8142	Greasers.....	1	215	1 13	242 95	00000000
8142	Hostler.....	1	215	2 00	430 00	00000000
8142	Other outside labor.....	3	215	2 36	507 40	00000000
8168	Pick miners.....	20	240	4 00	960 00	00000000
8168	Drivers.....	4	240	2 56	614 40	00000000
8168	Pumper.....	1	240	2 36	566 40	00000000
8168	Weighman.....	1	240	2 36	566 40	00000000
8168	Dumper.....	1	240	2 36	566 40	00000000
8168	Trimmer.....	1	240	2 36	566 40	00000000
8168	Blacksmith.....	1	240	2 56	614 40	00000000
8081	Pick miners.....	6	100	2 56	256 00	00000000
8081	Machine cutters.....	2	100	2 76	276 00	00000000
8081	Loaders.....	4	100	1 75	175 00	00000000
8081	Track layer.....	1	100	2 56	256 00	00000000
8081	Driver.....	1	100	2 56	256 00	00000000
8081	Engineer.....	1	100	2 25	225 00	00000000
8081	Fireman.....	1	100	2 00	200 00	00000000
8081	Weighman.....	1	100	2 56	256 00	00000000
8081	Trimmer.....	1	100	2 56	256 00	00000000
8081	Carpenter.....	1	100	2 56	256 00	00000000
8081	Blacksmith.....	1	100	2 56	256 00	00000000
8084	Pick miners.....	12	40	2 40	96 00	00000000
8084	Driver.....	1	40	2 10	84 00	00000000
8084	Engineer.....	1	40	2 50	100 00	00000000
8084	Other outside labor.....	1	40	2 00	80 00	00000000

TABLE IX₂—COAL MINING—BELMONT COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7536*	Pick miners.....	470	187	\$3 43	\$644 41	8
7536	Machine cutters.....	40	187	3 40	635 80	8
7536	Loaders.....	215	187	3 87	536 69	8
7536	Track layers.....	9	187	3 94	549 78	8
7536	Drivers.....	90	187	3 94	549 78	8
7536	Timbermen.....	12	187	3 94	549 78	8
7536	Pumpers.....	6	187	3 94	549 78	8
7536	Trappers.....	27	187	3 94	549 78	8
7536	Other inside labor.....	16	187	3 94	549 78	8
7536	Engineers.....	7	187	3 26	609 62	8
7536	Firemen.....	3	187	3 26	609 62	8
7536	Weighmen.....	4	187	3 36	441 32	8
7536	Dumpers.....	4	187	3 36	441 32	8
7536	Trimmers.....	17	187	3 36	441 32	8
7536	Carpenters.....	6	187	3 78	706 86	8
7536	Blacksmiths.....	9	187	3 78	706 86	8
7536	Greasers.....	4	187	3 36	441 32	8
7536	Hostlers.....	5	187	3 36	441 32	8
7536	Other outside labor.....	30	187	2 36	441 32	8
7537	Pick miners.....	66	216	2 75	594 00	8
7537	Track layer.....	1	216	2 56	552 96	8
7537	Drivers.....	4	216	2 56	552 96	8
7537	Trapper.....	1	216	1 00	216 00	8
7537	Other inside labor.....	7	216	1 90	410 40	9
7537	Engineer.....	1	216	2 25	486 00	10
7537	Weighman.....	1	216	2 00	432 00	10
7537	Dumper.....	1	216	2 00	432 00	8
7537	Other outside labor.....	3	216	2 00	432 00	10
7539	Pick miners.....	117	209	2 25	470 25	8
7539	Track layers.....	2	209	2 56	535 04	8
7539	Drivers.....	8	209	2 56	535 04	8
7539	Trappers.....	3	209	1 13	236 17	8
7539	Other inside labor.....	2	209	2 36	493 24	8
7539	Engineer.....	1	209	3 25	679 25	8
7539	Weighman.....	1	209	2 50	622 50	8
7539	Dumper.....	1	209	2 10	438 90	8
7539	Trimmers.....	2	209	2 10	438 90	8
7539	Blacksmith.....	1	209	2 80	585 20	8
7539	Greaser.....	1	209	1 23	257 07	8
7539	Other outside labor.....	4	209	1 88	392 92	8
7540	Machine cutters.....	16	181	3 00	543 00	8
7540	Loaders.....	34	181	3 10	561 10	8
7540	Track layers.....	2	181	2 56	463 36	8
7540	Drivers.....	8	181	2 56	463 36	8
7540	Timberman.....	1	181	2 50	452 50	8
7540	Other inside labor.....	1	181	2 80	506 80	8
7540	Engineer.....	2	181	3 00	543 00	9
7540	Firemen.....	2	181	1 97	356 57	9
7540	Weighman.....	1	181	2 50	452 50	8
7540	Dumper.....	1	181	2 10	380 10	8
7540	Trimmer.....	1	181	1 97	356 57	8
7540	Blacksmiths.....	2	181	2 58	466 98	8
7540	Hostler.....	1	181	2 00	362 00	10
7540	Other outside labor.....	2	181	1 97	356 57	8
7541	Pick miners.....	24	200	2 50	500 00	8
7541	Drivers.....	2	200	2 00	400 00	8
7541	Engineer.....	1	200	2 00	400 00	8
7541	Fireman.....	1	200	1 75	350 00	8
7541	Trimmer.....	1	200	1 50	300 00	8
7542	Pick miners.....	133	233	1 55	361 15	8
7542	Machine cutters.....	2	233	2 82	657 06	8
7542	Loaders.....	10	233	2 10	489 30	8
7542	Track layers.....	2	233	2 50	582 50	8
7542	Drivers.....	10	233	2 48	577 84	8
7542	Timbermen.....	2	233	2 55	594 15	8
7542	Trappers.....	3	233	1 11	258 63	8

*4 mines.

TABLE IX₂—COAL MINING—BELMONT COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7542	Other inside labor.....	7	233	\$2 46	\$573 18	8
7542	Engineer.....	1	233	3 12	726 96	8
7542	Weighman.....	1	233	2 91	678 03	8
7542	Trimmers.....	2	233	1 87	435 71	8
7542	Carpenter.....	1	233	2 28	531 24	8
7542	Blacksmith.....	1	233	2 80	652 40	8
7542	Greaser.....	1	233	1 40	326 20	8
7542	Hostler.....	1	233	1 88	438 04	8
7542	Other outside labor.....	5	233	1 95	454 35	8
7544	Pick miners.....	2	240	2 52	604 80	8
7544	Drivers.....	2	240	2 56	614 40	8
7545	Pick miner.....	1	200	2 00	400 00	8
7546	Pick miners.....	3	200	1 50	300 00	10
7547	Pick miners.....	5	250	3 20	800 00	7
7547	Driver.....	1	250	3 00	500 00	7
7548	Pick miners.....	3	180	2 00	360 00	8
7549	Pick miners.....	4	270	1 50	405 00	8
7549	Driver.....	1	270	1 50	405 00	8
7550	Pick miners.....	6	306	3 00	918 00	8
7550	Driver.....	1	306	2 56	783 36	8
7551†	Pick miner.....	1	140	3 85	539 00	8
7551	Machine cutters.....	12	140	4 25	595 00	8
7551	Loaders.....	60	140	4 08	571 20	8
7551	Track layers.....	2	140	2 56	358 40	8
7551	Drivers.....	8	140	2 56	358 40	8
7551	Timberman.....	1	140	2 56	358 40	8
7551	Trappers.....	3	140	1 13	158 20	8
7551	Other inside labor.....	18	140	2 42	338 80	8
7551	Engineers.....	4	140	2 76	386 40	8
7551	Weighmen.....	2	140	2 00	280 00	8
7551	Dumpers.....	3	140	2 09	292 60	8
7551	Trimmers.....	3	140	2 09	292 60	8
7551	Carpenters.....	4	140	2 36	330 40	8
7551	Blacksmiths.....	2	140	2 80	392 00	8
7551	Greaser.....	1	140	1 23	172 20	8
7551	Other outside labor.....	7	140	2 36	330 40	8
7552	Pick miners.....	7	156	3 32	517 92	8
7552	Driver.....	1	156	2 56	399 36	8
7553	Pick miners.....	62	230	2 00	460 00	8
7553	Machine cutters.....	13	230	2 25	517 50	8
7553	Loaders.....	77	230	2 00	460 00	8
7553	Track layers.....	5	230	2 32	533 60	8
7553	Drivers.....	9	230	2 44	561 20	8
7553	Pumpers.....	3	230	2 39	549 70	8
7553	Cager.....	1	230	2 44	561 20	8
7553	Trappers.....	3	230	1 09	250 70	8
7553	Other inside labor.....	2	230	2 29	526 70	8
7553	Engineers.....	2	230	2 75	632 50	10
7553	Weighman.....	1	230	2 08	478 40	10
7553	Dumper.....	1	230	2 01	462 30	8
7553	Trimmer.....	1	230	2 19	503 70	8
7553	Blacksmiths.....	2	230	2 56	588 80	8
7553	Greaser.....	1	230	1 40	322 00	8
7553	Hostler.....	1	230	2 00	460 00	12
7553	Other outside labor.....	2	230	1 83	420 90	8
7554	Pick miners.....	8	223	2 50	557 50	8
7554	Machine cutters.....	16	223	2 80	646 70	8
7554	Loaders.....	125	223	2 25	501 75	8
7554	Track layers.....	2	223	2 45	546 35	8
7554	Drivers.....	14	223	2 45	546 35	8
7554	Timberman.....	2	223	2 45	546 35	8
7554	Pumper.....	1	223	2 45	546 35	8
7554	Cager.....	1	223	1 10	245 30	8
7554	Trappers.....	4	223	2 20	590 60	8
7554	Other inside labor.....	2	223	4 00	892 00	8
7554	Engineers.....	3	223	2 25	501 75	12

†2 mines.

TABLE IX₂—COAL MINING—BELMONT COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7554	Firemen.....	2	223	\$2 25	\$501 75	12
7554	Weighman.....	1	223	2 75	613 25	8
7554	Dumper.....	1	223	2 10	468 30	8
7554	Trimmers.....	3	223	1 91	425 93	8
7554	Carpenter.....	1	223	2 25	501 75	8
7554	Blacksmiths.....	2	223	2 80	624 40	8
7554	Greaser.....	1	223	1 19	265 37	8
7554	Hostler.....	1	223	2 00	446 00	10
7554	Other outside labor.....	7	223	1 91	425 93	8
7555	Pick miners.....	5	283	3 60	1,018 80	7
7555	Drivers.....	2	283	2 00	566 00	8
7555	Dumper.....	1	283	1 75	495 25	8
7556†	Pick miners.....	382	176	2 70	475 20	8
7556	Track layers.....	6	176	2 56	450 56	8
7556	Drivers.....	38	176	2 56	450 56	8
7556	Timbermen.....	2	176	2 56	450 56	8
7556	Trappers.....	10	176	1 13	198 88	8
7556	Other inside labor.....	8	176	2 80	492 80	8
7556	Engineers.....	4	176	2 56	450 56	8
7556	Firemen.....	3	176	2 36	425 36	8
7556	Weighmen.....	3	176	2 36	425 36	8
7556	Dumpers.....	5	176	1 98	348 48	8
7556	Trimmers.....	9	176	1 98	348 48	8
7556	Carpenter.....	1	176	2 50	440 00	8
7556	Blacksmiths.....	3	176	3 25	572 00	8
7556	Greaser.....	1	176	1 13	198 88	8
7556	Other outside labor.....	2	176	1 69	297 44	8
7557†	Pick miners.....	30	200	2 75	550 00	8
7557	Machine cutters.....	50	200	4 00	800 00	8
7557	Loaders.....	340	200	2 50	500 00	8
7557	Track layers.....	6	200	2 56	512 00	8
7557	Drivers.....	35	200	2 56	512 00	8
7557	Timbermen.....	4	200	2 56	512 00	8
7557	Trappers.....	20	200	1 13	226 00	8
7557	Other inside labor.....	12	200	2 36	472 00	8
7557	Engineers.....	5	200	2 99	598 00	12
7557	Firemen.....	3	200	2 27	454 00	12
7557	Weighmen.....	3	200	2 43	486 00	8
7557	Dumpers.....	3	200	2 10	420 00	8
7557	Trimmers.....	11	200	2 02	404 00	8
7557	Carpenters.....	4	200	2 91	582 00	8
7557	Blacksmiths.....	6	200	3 75	550 00	8
7557	Greasers.....	3	200	1 63	326 00	8
7557	Hostlers.....	3	200	2 25	450 00	12
7557	Other outside labor.....	6	200	2 02	404 00	8
7558	Pick miners.....	7	169	1 75	295 75	8
7558	Driver.....	1	169	2 00	338 00	8
7559	Pick miners.....	7	300	2 50	750 00	8
7559	Driver.....	1	300	2 36	708 00	8
7559	Other outside labor.....	1	300	2 36	708 00	8
7560	Pick miners.....	10	280	3 00	840 00	8
7560	Drivers.....	2	280	2 56	716 80	8
7562	Pick miners.....	2	270	2 85	774 90	8
7562	Engineer.....	1	270	2 10	567 00	8
7562	Other outside labor.....	1	270	2 00	540 00	8
7563†	Pick miners.....	37	103	2 75	283 25	8
7563	Track layer.....	1	103	2 56	263 68	8
7563	Drivers.....	4	103	2 56	263 68	8
7563	Timberman.....	1	103	2 56	263 68	8
7563	Weighmen.....	2	103	2 00	206 00	8
7563	Trimmers.....	2	103	2 70	278 10	8
7563	Blacksmiths.....	2	103	2 50	257 50	8
7563	Hostler.....	1	103	1 50	154 50	8
7563	Other outside labor.....	2	103	2 00	206 00	8
7568	Pick miners.....	4	200	2 50	500 00	10
7568	Driver.....	1	200	2 50	500 00	10

†3 mines.

TABLE IX₂—COAL MINING—BELMONT COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7568	Weighman.....	1	200	\$2 00	\$400 00	10
7569	Pick miner.....	1	200	4 00	800 00	2
7569	Driver.....	1	200	2 56	512 00	2
7571	Pick miner.....	1	20	1 50	30 00	2
7573	Pick miners.....	22	261	2 00	522 00	2
7573	Machine cutters.....	14	261	3 25	848 25	2
7573	Loaders.....	65	261	2 12	553 32	2
7573	Track layer.....	1	261	2 56	668 16	2
7573	Drivers.....	5	261	2 56	668 16	2
7573	Cager.....	1	261	2 56	668 16	2
7573	Trapper.....	1	261	1 13	294 93	2
7573	Other inside labor.....	1	261	2 36	615 96	2
7573	Engineers.....	2	261	2 50	652 50	2
7573	Fireman.....	1	261	2 00	522 00	2
7573	Dumper.....	1	261	2 50	652 50	2
7573	Trimmer.....	1	261	1 97	514 17	2
7573	Blacksmith.....	1	261	2 80	730 80	2
7573	Hostler.....	1	261	50	130 50	2
7574	Pick miners.....	8	214	1 90	406 60	2
7574	Track layer.....	1	214	1 75	374 50	2
7574	Driver.....	1	214	1 75	374 50	2
7574	Timberman.....	1	214	1 75	374 50	2
7574	Pumper.....	1	214	1 60	342 40	2
7574	Fireman.....	1	214	1 60	342 40	2
7574	Dumper.....	1	214	1 50	321 00	2
7575	Pick miners.....	7	156	3 32	517 92	2
7575	Driver.....	1	156	2 56	399 36	2
8098	Machine cutters.....	40	270	3 00	810 00	2
8098	Track layer.....	1	270	2 56	691 20	2
8098	Drivers.....	4	270	2 56	691 20	2
8098	Timberman.....	1	270	2 56	691 20	2
8098	Trappers.....	3	270	1 13	305 10	2
8098	Other inside labor.....	2	270	2 00	540 00	2
8098	Engineer.....	1	270	2 00	540 00	2
8098	Fireman.....	1	270	1 75	472 50	2
8098	Weighman.....	1	270	2 50	675 00	2
8098	Dumper.....	1	270	2 00	540 00	2
8098	Trimmer.....	1	270	2 25	607 50	2
8098	Blacksmiths.....	2	270	2 15	580 50	2
8098	Greaser.....	1	270	1 00	270 00	2
8098	Other outside labor.....	2	270	2 00	540 00	2
8130	Pick miners.....	50	80	4 00	320 00	2
8130	Track layer.....	1	80	2 56	204 80	2
8130	Drivers.....	4	80	2 56	204 80	2
8130	Weighman.....	1	80	3 00	240 00	2
8130	Trimmer.....	1	80	2 00	160 00	2
8130	Blacksmith.....	1	80	2 56	204 80	2
8130	Greaser.....	1	80	1 25	100 00	2
8130	Hostler.....	1	80	1 50	120 00	2
8145	Pick miners.....	5	225	3 00	675 00	2
8145	Driver.....	1	225	2 36	531 00	2
8147†	Pick miners.....	3	170	3 50	595 00	2
8147	Machine cutters.....	6	170	3 50	595 00	2
8147	Loaders.....	30	170	3 00	510 00	2
8147	Track layer.....	1	170	2 56	435 20	2
8147	Drivers.....	4	170	2 56	435 20	2
8147	Trappers.....	2	170	1 13	192 10	2
8147	Other inside labor.....	1	170	2 36	401 20	2
8147	Engineer.....	1	170	2 71	460 70	2
8147	Weighman.....	1	170	2 71	460 70	2
8147	Trimmer.....	1	170	2 02	343 40	2
8147	Blacksmith.....	1	170	2 80	476 00	2
8147	Greaser.....	1	170	1 23	209 10	2
8147	Hostler.....	1	170	1 71	290 70	2
8147	Other outside labor.....	2	170	2 02	343 40	2
8151	Pick miners.....	40	180	2 00	360 00	2

†2 mines.

TABLE IX₂—COAL MINING—BELMONT COUNTY—Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8151	Machine cutters.....	8	180	\$3 00	\$540 00	2
8151	Loaders.....	30	180	2 12	381 60	5
8151	Track layer.....	1	180	2 74	493 20	
8151	Drivers.....	5	180	2 56	460 80	
8151	Timberman.....	1	180	2 56	460 80	
8151	Trapper.....	1	180	1 13	203 40	
8151	Engineer.....	1	180	2 25	405 00	
8151	Fireman.....	1	180	1 50	270 00	
8151	Weighman.....	1	180	2 25	405 00	
8151	Dumper.....	1	180	2 10	378 00	
8151	Trimmer.....	1	180	1 97	354 60	
8151	Blacksmith.....	1	180	2 80	504 00	
8152	Pick miners.....	76	95	3 08	292 60	
8152	Track layers.....	2	95	2 56	242 20	
8152	Drivers.....	5	95	2 56	242 20	
8152	Timbermen.....	3	95	2 56	242 20	
8152	Cagers.....	3	95	2 56	242 20	
8152	Trappers.....	2	95	1 13	107 35	
8152	Engineer.....	1	95	3 12	296 40	
8152	Firemen.....	3	95	3 12	296 40	
8152	Weighman.....	1	95	2 56	242 20	
8152	Trimmer.....	1	95	2 22	191 90	
8152	Carpenter.....	1	95	3 00	285 00	
8152	Blacksmith.....	1	95	3 00	285 00	
8152	Hostler.....	1	95	2 08	197 60	
8152	Other outside labor.....	29	95	1 69	160 55	8

TABLE IX₃—COAL MINING—CARROLL COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7580	Pick miners.....	2	180	\$2 00	\$360 00	8
7580	Driver.....	1	180	2 00	360 00	8
7581	Pick miners.....	3	200	2 33	466 00	8
7582	Machine cutters.....	6	226	5 04	1,139 04	8
7582	Loaders.....	40	226	3 89	879 14	8
7582	Track layers.....	3	226	2 56	578 56	8
7582	Drivers.....	6	226	2 56	578 56	8
7582	Pumpers.....	3	226	2 56	578 56	8
7582	Trapper.....	1	226	1 35	305 10	8
7582	Other inside labor.....	6	226	2 56	578 56	8
7582	Engineers.....	2	226	2 25	508 50	8
7582	Weighman.....	1	226	2 08	470 08	8
7582	Dumpers.....	2	226	2 00	452 00	8
7582	Trimmers.....	4	226	2 00	452 00	8
7582	Carpenter.....	1	226	2 08	470 08	8
7582	Blacksmith.....	1	226	2 70	610 20	8
7582	Greaser.....	1	226	1 13	255 38	8
7582	Hostler.....	1	226	1 67	377 42	8
7582	Other outside labor.....	1	226	1 50	339 00	8
7583	Pick miners.....	3	130	1 50	195 00	8
7583	Driver.....	1	130	1 25	162 50	8
7584	Pick miners.....	2	140	2 00	280 00	8
7585-1	Pick miners.....	15	132	3 50	462 00	8
7585-1	Machine cutters.....	14	182	3 50	462 00	8
7585-1	Loaders.....	110	132	2 75	363 00	8
7585-1	Track layers.....	2	312	2 56	337 92	8
7585-1	Drivers.....	10	132	2 56	337 92	8
7585-1	Timbermen.....	2	132	2 56	337 92	8
7585-1	Pumper.....	1	132	2 56	337 92	8
7585-1	Trappers.....	7	132	1 13	149 16	8
7585-1	Other inside labor.....	10	132	2 36	311 52	8
7585-1	Engineers.....	2	132	2 56	337 92	8
7585-1	Fireman.....	1	132	2 25	297 00	8
7585-1	Weighman.....	1	132	2 56	337 92	8
7585-1	Dumper.....	1	132	2 00	264 00	8
7585-1	Trimmers.....	3	132	2 00	264 00	8
7585-1	Blacksmiths.....	2	132	2 70	356 40	8
7585-1	Greaser.....	1	132	1 25	165 00	8
7585-1	Hostler.....	1	132	2 25	297 00	8
7585-1	Other outside labor.....	2	132	2 00	264 00	8
7585-2	Pick miners.....	5	222	3 00	666 00	8
7585-2	Machine cutters.....	12	222	3 00	666 00	8
7585-2	Loaders.....	75	222	2 50	555 00	8
7585-2	Track layers.....	2	222	2 56	568 32	8
7585-2	Drivers.....	7	222	2 56	568 32	8
7585-2	Timbermen.....	5	222	2 56	568 32	8
7585-2	Pumpers.....	3	222	2 50	555 00	8
7585-2	Cagers.....	2	222	2 56	568 32	8
7585-2	Trappers.....	4	222	1 13	244 86	8
7585-2	Other inside labor.....	3	222	2 36	523 92	8
7585-2	Engineers.....	3	222	2 56	568 32	8
7585-2	Fireman.....	1	222	2 25	469 50	8
7585-2	Weighman.....	1	222	2 56	568 32	8
7585-2	Trimmers.....	4	222	2 00	444 00	8
7585-2	Blacksmiths.....	2	222	2 70	599 40	8
7585-2	Greaser.....	1	222	1 25	277 50	8
7585-2	Hostler.....	1	222	2 25	499 50	8
7585-2	Other outside labor.....	2	222	2 00	444 00	8
7585-3	Pick miners.....	9	178	3 00	534 00	8
7585-3	Machine cutters.....	20	178	3 00	534 00	8
7585-3	Loaders.....	100	178	2 50	445 00	8
7585-3	Track layers.....	2	178	2 56	455 68	8
7585-3	Drivers.....	10	178	2 56	455 68	8
7585-3	Timbermen.....	2	178	2 56	455 68	8
7585-3	Pumper.....	1	178	2 50	445 00	8
7585-3	Cagers.....	2	178	2 56	455 68	8
7585-3	Trappers.....	8	178	1 13	201 14	8
7585-3	Other inside labor.....	7	178	2 36	420 08	8

TABLE IX₃—COAL MINING—CARROLL COUNTY—Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7585-3	Engineers.....	3	178	\$2 56	\$455 68	8
7585-3	Fireman.....	1	178	2 25	400 50	8
7585-3	Weighman.....	1	178	2 56	455 68	8
7585-3	Trimmers.....	4	178	2 00	358 00	8
7585-3	Blacksmiths.....	2	178	2 70	480 60	8
7585-3	Greaser.....	1	178	1 25	222 50	8
7585-3	Hostler.....	1	178	2 25	400 50	8
7585-3	Other outside labor.....	2	178	2 00	356 00	8
7586	Pick miners.....	4	90	2 86	257 40	8
7586	Driver.....	1	90	2 56	230 40	8
7588	Machine cutters.....	16	240	2 16	758 40	8
7588	Loaders.....	63	240	2 04	489 60	8
7588	Track layers.....	3	240	2 56	614 40	8
7588	Drivers.....	10	240	2 56	614 40	8
7588	Timberman.....	1	240	2 56	614 40	8
7588	Pumpers.....	2	240	1 10	264 00	8
7588	Engineer.....	2	240	2 56	614 40	8
7588	Weighman.....	1	240	2 56	614 40	8
7588	Dumpers.....	2	240	1 91	458 40	8
7588	Trimmers.....	2	240	1 91	458 40	8
7588	Carpenter.....	1	240	2 56	614 40	8
7588	Blacksmiths.....	2	240	2 56	614 40	8
7588	Greaser.....	1	240	1 75	420 00	8
8121	Pick miners.....	5	233	4 40	1,025 20	8
8121	Driver.....	1	233	2 56	596 48	8
8121	Other inside labor.....	1	233	2 56	596 48	8

TABLE IX₄—COAL MINING—COLUMBIANA COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7593*	Pick miners.....	48	220	\$2 75	\$605 00	8
7593	Track layers.....	2	220	2 56	563 20	8
7593	Drivers.....	7	220	2 56	563 20	8
7593	Pumpers.....	2	220	2 56	563 20	8
7593	Trappers.....	3	220	1 13	248 60	8
7593	Engineer.....	1	220	2 56	563 20	8
7593	Weighman.....	1	220	2 50	550 00	8
7593	Dumpers.....	2	220	2 36	519 20	8
7593	Trimmer.....	1	220	2 36	519 20	8
7593	Blacksmith.....	1	220	2 56	563 20	8
7593	Greaser.....	1	220	1 40	308 00	8
7593	Hostler.....	1	220	1 00	220 00	8
7595	Machine cutters.....	4	180	2 48	446 40	8
7595	Loaders.....	18	180	2 42	435 60	8
7595	Track layer.....	1	180	2 56	460 80	8
7595	Drivers.....	2	180	2 56	460 80	8
7595	Engineer.....	1	180	2 25	405 00	8
7595	Weighman.....	1	180	2 50	450 00	8
7595	Trimmer.....	1	180	1 91	343 80	8
7595	Other outside labor.....	1	180	1 91	343 80	8
7596	Pick miners.....	70	264	2 50	660 00	8
7596	Track layers.....	3	264	2 50	660 00	8
7596	Drivers.....	8	264	2 50	660 00	8
7596	Pumpers.....	3	264	2 25	594 00	8
7596	Cager.....	1	264	1 91	504 24	8
7596	Trapper.....	1	264	1 13	298 32	8
7596	Engineer.....	1	264	2 50	660 00	8
7596	Fireman.....	1	264	2 00	528 00	8
7596	Weighman.....	1	264	2 00	528 00	8
7596	Dumpers.....	2	264	1 91	504 24	8
7596	Trimmer.....	1	264	1 91	504 24	8
7596	Blacksmith.....	1	264	2 50	660 00	8
7596	Greaser.....	1	264	1 91	504 24	8
7596	Hostler.....	1	264	30	79 20	8
7597	Pick miners.....	3	300	2 50	750 00	8
7598	Pick miners.....	3	140	2 50	350 00	8
7599	Pick miners.....	4	200	2 00	400 00	8
7599	Other outside labor.....	1	200	1 00	200 00	8
7601	Pick miners.....	2	234	1 75	409 50	8
7601	Driver.....	1	234	2 00	468 00	8
7602	Pick miners.....	4	250	2 00	500 00	8
7602	Driver.....	1	250	2 00	500 00	8
7603*	Pick miners.....	55	208	2 37	492 96	8
7603	Track layers.....	2	208	2 56	532 48	8
7603	Drivers.....	6	208	2 56	532 48	8
7603	Pumper.....	1	208	2 56	532 48	8
7603	Cagers.....	2	208	2 56	532 48	8
7603	Trappers.....	2	208	1 00	208 00	8
7603	Other inside labor.....	2	208	2 56	532 48	8
7603	Engineer.....	2	208	2 50	520 00	8
7603	Weighmen.....	2	208	2 00	416 00	8
7603	Blacksmith.....	1	208	2 50	520 00	8
7603	Greaser.....	1	208	1 00	208 00	8
7603	Other outside labor.....	4	208	2 56	532 48	8
7604	Pick miners.....	41	241	2 39	575 99	8
7604	Track layers.....	3	241	2 25	542 25	8
7604	Drivers.....	3	241	2 25	542 25	8
7604	Engineers.....	2	241	2 37	571 17	8
7604	Weighmen.....	2	241	1 94	467 54	8
7604	Trimmers.....	2	241	1 72	414 52	8
7604	Blacksmith.....	1	241	2 50	602 50	8
7604	Other outside labor.....	4	241	1 35	325 35	8
7606	Pick miners.....	3	144	2 60	374 40	8
7607	Pick miners.....	3	150	2 45	367 50	8
7607	Driver.....	1	150	2 56	384 00	8
7607	Other outside labor.....	1	150	1 55	232 50	8

*2 mines.

TABLE IX₄—COAL MINING—COLUMBIANA COUNTY—
Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7608	Pick miners.....	60	306	\$2 38	\$728 28	8
7608	Track layers.....	2	306	2 56	783 36	8
7608	Drivers.....	4	306	2 56	783 36	8
7608	Trapper.....	1	306	1 91	584 46	8
7608	Other inside labor.....	6	306	2 75	841 50	8
7608	Engineer.....	1	306	2 00	612 00	8
7608	Fireman.....	1	306	2 00	612 00	8
7608	Weighman.....	1	306	2 43	743 58	8
7608	Dumpers.....	2	306	1 91	584 46	8
7608	Trimmers.....	2	306	1 91	584 46	8
7608	Blacksmith.....	1	306	2 56	783 36	8
7608	Greaser.....	1	306	1 91	584 46	8
7608	Other outside labor.....	1	306	1 65	504 90	8
7609	Pick miners.....	30	219	1 80	394 20	8
7609	Machine cutters.....	4	219	2 63	575 97	8
7609	Loaders.....	24	219	2 07	453 33	8
7609	Track layer.....	1	219	2 56	560 64	8
7609	Driver.....	4	219	2 56	560 64	8
7609	Other inside labor.....	1	219	1 91	418 29	8
7609	Engineer.....	1	219	2 25	492 75	8
7609	Weighman.....	1	219	2 70	591 30	8
7609	Trimmer.....	1	219	1 91	418 29	8
7609	Blacksmith.....	1	219	2 25	492 75	8
7609	Greaser.....	1	219	1 91	418 29	8
7609	Other outside labor.....	2	219	1 91	418 29	8
7610	Pick miners.....	2	219	1 25	273 75	8
7612	Pick miners.....	49	250	2 27	567 50	8
7612	Track layer.....	1	250	2 56	640 00	8
7612	Drivers.....	3	250	2 56	640 00	8
7612	Pumper.....	1	250	2 56	640 00	8
7612	Cager.....	1	250	2 56	640 00	8
7612	Trapper.....	1	250	1 20	300 00	8
7612	Engineer.....	1	250	2 25	562 50	8
7612	Weighman.....	1	250	2 25	562 50	8
7612	Dumper.....	1	250	1 91	477 50	8
7612	Trimmer.....	1	250	1 91	477 50	8
7612	Blacksmith.....	1	250	2 56	640 00	8
7612	Other outside labor.....	2	250	1 91	477 50	8
7613	Pick miners.....	61	268	2 61	701 48	8
7613	Track layers.....	5	268	2 59	694 12	8
7613	Drivers.....	6	268	2 56	686 08	8
7613	Pumpers.....	2	268	2 36	632 48	8
7613	Other inside labor.....	1	268	2 56	686 08	8
7613	Engineer.....	1	268	2 56	686 08	8
7613	Firemen.....	2	268	2 00	536 00	8
7613	Weighman.....	1	268	2 36	632 48	8
7613	Dumper.....	1	268	1 91	511 88	8
7613	Trimmers.....	3	268	1 91	511 88	8
7613	Blacksmith.....	1	268	2 56	686 08	8
7613	Greaser.....	1	268	1 91	511 88	8
7613	Hostler.....	1	268	1 91	511 88	8
7614	Pick miners.....	50	200	3 00	600 00	8
7614	Track layers.....	3	200	2 56	512 00	8
7614	Drivers.....	7	200	2 56	512 00	8
7614	Cager.....	1	200	2 56	512 00	8
7614	Engineer.....	1	200	2 56	512 00	8
7614	Fireman.....	1	200	2 00	400 00	8
7614	Weighman.....	1	200	2 75	550 00	10
7614	Dumper.....	1	200	1 91	382 00	8
7614	Trimmers.....	2	200	1 91	382 00	8
7614	Blacksmith.....	1	200	2 56	512 00	8
7614	Greaser.....	1	200	1 28	256 00	8
7614	Other outside labor.....	1	200	1 28	256 00	8
7615	Pick miners.....	8	243	2 50	607 50	8
7615	Driver.....	1	243	2 56	622 08	8
7615	Weighman.....	1	243	2 00	486 00	8
7616	Pick miners.....	8	297	2 50	742 50	8
7616	Track layer.....	1	297	2 56	760 32	8

TABLE IX4—COAL MINING—COLUMBIANA COUNTY—
Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7616	Driver.....	1	297	\$2 56	\$760 32	8
7616	Other inside labor.....	1	297	2 56	760 32	8
7616	Engineer.....	1	297	2 56	760 32	8
7617*	Machine cutters.....	12	240	2 81	674 40	8
7617	Loaders.....	180	240	2 15	516 00	8
7617	Track layers.....	3	240	2 15	516 00	8
7617	Drivers.....	19	240	2 10	504 00	8
7617	Timberman.....	1	240	2 28	547 20	8
7617	Pumpers.....	2	240	2 10	504 00	8
7617	Cagers.....	3	240	2 10	504 00	8
7617	Trappers.....	5	240	1 00	240 00	8
7617	Other inside labor.....	7	240	2 10	504 00	8
7617	Engineers.....	2	240	2 28	547 00	8
7617	Firemen.....	2	240	2 10	504 00	8
7617	Weighman.....	1	240	2 22	532 80	8
7617	Dumper.....	1	240	1 74	417 60	8
7617	Trimmer.....	2	240	1 74	417 60	8
7617	Carpenter.....	1	240	2 10	504 00	8
7617	Blacksmiths.....	4	240	2 28	547 00	8
7617	Greaser.....	1	240	1 74	417 60	8
7617	Hostler.....	1	240	2 00	480 00	8
7617	Other outside labor.....	3	240	1 74	417 60	8
7618	Pick miners.....	10	300	2 50	750 00	8
7618	Driver.....	2	300	2 56	768 00	8
7619	Pick miners.....	8	288	2 75	792 00	8
7619	Driver.....	1	288	2 56	737 28	8
7620	Pick miners.....	3	200	2 00	400 00	8
7620	Driver.....	1	200	2 56	512 00	8
7621	Pick miners.....	9	250	2 75	687 50	8
7621	Track layer.....	1	250	2 56	650 00	8
7621	Driver.....	1	250	2 56	650 00	8
7621	Other outside labor.....	2	250	1 65	412 50	8
7623	Pick miners.....	120	200	2 00	400 00	8
7623	Track layers.....	4	200	2 07	414 00	8
7623	Drivers.....	9	200	2 56	512 00	8
7623	Pumper.....	1	200	2 00	400 00	8
7623	Trapper.....	1	200	1 50	300 00	8
7623	Other inside labor.....	2	200	2 56	512 00	8
7623	Engineers.....	2	200	2 10	420 00	8
7623	Weighman.....	1	200	2 00	400 00	8
7623	Dumper.....	1	200	1 91	382 00	8
7623	Trimmer.....	1	200	1 91	382 00	8
7623	Carpenter.....	1	200	1 91	382 00	8
7623	Blacksmiths.....	2	200	2 56	512 00	8
7623	Hostler.....	1	200	1 75	350 00	8
7623	Other outside labor.....	3	200	1 91	382 00	8
7624	Pick miners.....	2	200	1 25	250 00	8
7626*	Machine cutters.....	4	240	3 00	720 00	8
7626	Loaders.....	48	240	2 50	600 00	8
7626	Track layers.....	14	240	2 56	614 40	8
7626	Drivers.....	14	240	2 56	614 40	8
7626	Timbermen.....	2	240	2 56	614 40	8
7626	Pumpers.....	2	240	2 25	540 00	8
7626	Cager.....	1	240	2 56	614 40	8
7626	Trappers.....	3	240	1 13	271 20	8
7626	Other inside labor.....	2	240	1 80	432 00	8
7626	Engineers.....	3	240	2 56	614 40	8
7626	Weighman.....	1	240	2 50	600 00	8
7626	Trimmer.....	1	240	2 36	566 40	8
7626	Blacksmiths.....	2	240	2 56	614 40	8
7626	Greaser.....	1	240	1 80	432 00	8
7626	Hostler.....	1	240	2 00	480 00	8
8104	Pick miners.....	13	119	2 25	267 75	8
8104	Machine cutters.....	3	119	3 00	357 00	8
8104	Loaders.....	6	119	2 50	297 50	8
8104	Track layer.....	1	119	2 56	304 64	8

*2 mines.

TABLE IX₄—COAL MINING—COLUMBIANA COUNTY.

Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8104	Drivers.....	2	119	\$2 56	\$304 64	8
8104	Timberman.....	1	119	2 56	304 64	8
8104	Engineer.....	1	119	2 56	304 64	8
8104	Trimmer.....	1	119	2 36	280 84	8
8104	Blacksmith.....	1	119	2 56	304 64	8
8128	Pick miners.....	12	320	33 00	960 00	8
8128	Machine cutters.....	3	320	33 00	960 00	8
8128	Loaders.....	5	320	33 60	832 00	8
8128	Drivers.....	2	320	2 56	819 20	8
8128	Pumper.....	1	320	2 56	819 20	8
8128	Cager.....	1	320	2 56	819 20	8
8128	Engineer.....	1	320	2 00	640 00	8
8128	Fireman.....	1	320	1 91	611 20	8
8128	Weighman.....	2	320	1 91	611 20	8
8128	Dumpers.....	1	320	2 56	819 20	8
8128	Blacksmith.....	4	180	4 00	720 00	8
8159	Pick miners.....	3	180	3 15	567 00	8
8159	Machine cutters.....	4	180	4 00	720 00	8
8159	Loaders.....	20	180	2 56	460 80	8
8159	Track layer.....	1	180	2 56	460 80	8
8159	Drivers.....	3	180	2 36	424 80	8
8159	Timberman.....	1	180	2 56	460 80	8
8159	Other inside labor.....	1	180	2 08	374 40	8
8159	Engineer.....	1	180	2 71	487 80	8
8159	Weighman.....	1	180	2 36	424 80	8
8159	Dumper.....	1	180	2 56	460 80	8
8159	Trimmer.....	1	180	2 36	424 80	8
8159	Blacksmith.....	1	180	2 56	460 80	8
8159	Greasers.....	2	180	1 13	203 40	8

TABLE IX₅—COAL MINING—COSHOCKTON COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7630	Pick miners.....	56	232	\$2 75	\$628 00	8
7630	Track layers.....	2	232	2 56	593 92	8
7630	Drivers.....	11	232	2 56	593 92	8
7630	Timbermen.....	2	232	2 36	557 52	8
7630	Pumper.....	1	232	2 00	464 00	8
7630	Trappers.....	3	232	1 13	262 16	8
7630	Other inside labor.....	3	232	2 69	624 08	8
7630	Engineer.....	1	232	2 60	603 20	8
7630	Weighman.....	1	232	2 56	593 92	8
7630	Dumpers.....	3	232	1 62	375 84	8
7630	Trimmer.....	1	232	2 25	522 00	8
7630	Blacksmith.....	1	232	2 56	593 92	8
7630	Hostler.....	1	232	1 08	250 56	8
7630	Other outside labor.....	3	232	1 50	348 00	8
7631	Pick miners.....	41	224	2 81	629 44	8
7631	Track layer.....	1	224	2 56	573 44	8
7631	Drivers.....	6	224	2 56	573 44	8
7631	Timbermen.....	3	224	2 36	528 68	8
7631	Weighman.....	1	224	2 25	504 00	8
7631	Dumpers.....	2	224	1 25	280 00	8
7631	Trimmers.....	1	224	2 25	504 00	8
7631	Blacksmith.....	1	224	2 81	629 44	8
7633	Pick miners.....	4	224	2 00	448 00	8
7634	Pick miners.....	5	200	2 00	400 00	8
7635	Pick miners.....	4	300	1 69	507 00	8
7635	Driver.....	1	300	1 69	507 00	8
7636	Pick miners.....	96	225	2 77	623 25	8
7636	Track layers.....	2	225	2 56	576 00	8
7636	Drivers.....	14	225	2 56	576 00	8
7636	Timbermen.....	2	225	2 36	531 00	8
7636	Pumpers.....	2	225	2 36	531 00	8
7636	Trappers.....	3	225	1 13	254 25	8
7636	Other inside labor.....	2	225	2 36	531 00	8
7636	Weighman.....	1	225	2 56	576 00	8
7636	Dumpers.....	5	225	1 62	364 50	8
7636	Trimmers.....	2	225	2 25	506 25	8
7636	Blacksmiths.....	2	225	2 56	576 00	8
7636	Hostler.....	1	225	1 00	225 00	8
7637	Pick miners.....	20	262	1 80	471 60	8
7637	Track layer.....	1	262	2 42	634 04	8
7637	Drivers.....	2	262	2 42	634 04	8
7637	Other inside labor.....	1	262	2 42	634 04	8
7640	Pick miners.....	80	195	2 00	390 00	8
7640	Track layers.....	2	195	2 56	499 20	8
7640	Drivers.....	5	195	2 56	499 20	8
7640	Engineer.....	1	195	2 85	555 75	8
7640	Weighman.....	1	195	2 85	555 75	8
7640	Dumpers.....	2	195	2 25	438 75	8
7640	Trimmer.....	1	195	2 25	438 75	8
7640	Carpenter.....	1	195	2 50	487 50	8
7640	Blacksmith.....	1	195	2 50	487 50	8
7640	Other outside labor.....	2	195	2 36	460 20	8
7641	Pick miners.....	5	240	1 75	460 00	8
7642	Pick miners.....	3	228	1 75	399 00	8
7872 *	Pick miners.....	2	313	1 25	386 25	8
8088	Machine cutters.....	8	150	3 20	480 00	8
8088	Loaders.....	42	150	2 02	303 00	8
8088	Track layers.....	3	150	2 56	384 00	8
8088	Drivers.....	6	150	2 56	384 00	8
8088	Timberman.....	1	150	2 56	384 00	8
8088	Pumpers.....	2	150	1 36	374 00	8
8088	Trappers.....	2	150	1 13	169 50	8
8088	Engineer.....	2	150	2 80	420 00	8
8088	Weighman.....	1	150	2 40	360 00	8
8088	Dumper.....	1	150	2 25	337 50	8
8088	Trimmers.....	3	150	2 25	337 50	8
8088	Carpenter.....	1	150	2 25	337 50	8
8088	Blacksmith.....	1	150	2 56	384 00	8
8088	Greaser.....	1	150	1 50	225 00	8

*2 mines.

TABLE IX₅—COAL MINING—COSHOCTON COUNTY.
Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8088	Hostler.....	1	150	\$1 50	\$225 00	8
8160	Pick miners.....	20	225	2 75	618 75	8
8160	Loaders.....	238	225	2 75	618 75	8
8160	Track layers.....	8	225	2 56	576 00	8
8160	Drivers.....	20	225	2 56	576 00	8
8160	Timbermen.....	5	225	2 56	576 00	8
8160	Pumpers.....	4	225	2 56	576 00	8
8160	Trappers.....	3	225	2 56	576 00	8
8160	Other inside labor.....	14	225	2 56	576 00	8
8160	Engineers.....	3	225	2 56	576 00	8
8160	Firemen.....	2	225	2 36	531 00	8
8160	Weighman.....	1	225	2 56	576 00	8
8160	Dumpers.....	8	225	2 36	531 00	8
8160	Trimmers.....	2	225	2 36	531 00	8
8160	Carpenters.....	4	225	2 25	506 25	8
8160	Blacksmiths.....	2	225	2 56	576 00	8
8160	Greasers.....	4	225	1 13	254 25	8
8160	Hostlers.....	2	225	2 56	576 00	8
8160	Other outside labor.....	10	225	2 36	531 00	8
8162	Pick miners.....	48	243	2 68	651 24	8
8162	Track layer.....	1	243	2 56	622 08	8
8162	Drivers.....	5	243	2 56	622 08	8
8162	Timbermen.....	3	243	2 36	573 48	8
8162	Pumper.....	1	243	2 36	573 48	8
8162	Engineer.....	1	243	3 00	720 00	8
8162	Weighman.....	1	243	2 51	609 93	8
8162	Dumper.....	1	243	1 68	408 24	8
8162	Trimmer.....	1	243	1 68	408 24	8
8162	Blacksmith.....	1	243	2 56	622 08	8
8162	Greaser.....	1	243	1 68	408 24	8
8162	Other outside labor.....	2	243	1 96	476 28	8

TABLE IX6—COAL MINING—GALLIA COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1908.	Average daily wages.	Average yearly earnings, 1908.	Average hours of daily labor.
7647	Pick miners.....	36	150	\$1 64	\$410 00	8
7647	Drivers.....	6	250	1 76	440 00	8
7674	Other inside labor.....	2	250	1 76	440 00	8
7647	Trimmer.....	1	250	1 60	400 00	8
7647	Hostler.....	1	250	1 25	312 50	8
7647	Other outside labor.....	2	250	1 32	330 00	8

TABLE IX7—COAL MINING—GUERNSEY COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7650*	Machine cutters.....	30	212	\$4 60	\$975 20	8
7650	Loaders.....	250	212	2 75	583 00	8
7650	Track layers.....	5	212	2 56	542 72	8
7650	Drivers.....	33	212	2 56	542 72	8
7650	Timbermen.....	38	212	2 56	542 72	8
7650	Pumpers.....	4	212	2 56	542 72	8
7650	Cagers.....	8	212	2 56	542 72	8
7650	Trappers.....	14	212	1 13	239 56	8
7650	Other inside labor.....	16	212	2 36	500 32	8
7650	Engineers.....	8	212	2 65	561 80	8
7650	Firemen.....	7	212	2 36	500 32	8
7650	Weighmen.....	2	212	2 75	583 00	8
7650	Dumpers.....	10	212	2 36	500 32	8
7650	Trimmers.....	7	212	2 36	500 32	8
7650	Carpenters.....	2	212	2 65	561 80	8
7650	Blacksmiths.....	4	212	2 75	583 00	8
7650	Greasers.....	1	212	1 40	296 80	8
7650	Hostlers.....	2	212	2 00	424 00	8
7650	Other outside labor.....	3	212	2 36	500 32	8
7651*	Machine cutters.....	36	214	4 03	862 42	8
7651	Loaders.....	268	214	2 63	562 82	8
7651	Track layers.....	11	214	2 63	562 82	8
7651	Drivers.....	47	214	2 56	547 84	8
7651	Timbermen.....	3	214	2 56	547 84	8
7651	Pumpers.....	6	214	2 45	523 30	8
7651	Cagers.....	4	214	2 56	547 84	8
7651	Trappers.....	21	214	1 13	241 82	8
7651	Other inside labor.....	59	214	2 36	505 04	8
7651	Engineers.....	2	214	2 81	601 34	8
7651	Firemen.....	2	214	2 36	505 04	8
7651	Weighmen.....	2	214	2 50	535 00	8
7651	Dumpers.....	2	214	2 36	505 04	8
7651	Trimmers.....	5	214	2 36	505 04	8
7651	Carpenters.....	4	214	2 70	557 80	8
7651	Blacksmiths.....	4	214	2 81	601 34	8
7651	Greasers.....	2	214	1 50	321 00	8
7651	Hostlers.....	2	214	2 36	505 04	8
7651	Other outside labor.....	9	214	2 36	505 04	8
7652	Machine cutters.....	8	171	4 25	726 75	8
7652	Loaders.....	91	171	2 50	427 50	8
7652	Track layers.....	2	171	2 56	437 76	8
7652	Drivers.....	10	171	2 56	437 76	8
7652	Cagers.....	3	171	2 56	437 76	8
7652	Trappers.....	3	171	1 13	193 23	8
7652	Other inside labor.....	3	171	2 36	403 56	8
7652	Engineers.....	2	171	2 36	437 76	8
7652	Firemen.....	2	171	2 36	403 56	8
7652	Weighman.....	1	171	2 75	470 25	8
7652	Dumper.....	1	171	2 56	403 56	8
7652	Trimmers.....	3	171	2 40	410 40	8
7652	Blacksmith.....	1	171	2 87	490 77	8
7652	Other outside labor.....	2	171	2 36	403 56	8
7653	Machine cutters.....	9	225	3 00	675 00	8
7653	Loaders.....	68	225	2 50	562 50	8
7653	Track layers.....	2	225	2 56	576 00	8
7653	Drivers.....	15	225	2 56	576 00	8
7653	Timberman.....	1	225	2 56	576 00	8
7653	Pumpers.....	2	225	2 36	531 00	8
7653	Cagers.....	3	225	2 56	576 00	8
7653	Trappers.....	5	225	1 13	254 25	8
7653	Other inside labor.....	25	225	2 36	531 00	8
7653	Engineers.....	3	225	2 47	455 75	8
7653	Firemen.....	2	225	2 25	506 52	8
7653	Weighman.....	1	225	2 50	562 50	8
7653	Trimmers.....	3	225	2 36	531 00	8
7653	Carpenters.....	1	225	2 50	562 50	8

*2 mines.

TABLE IX7—COAL MINING—GUERNSEY COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7653	Blacksmiths.....	2	225	\$2 81	\$632 25	8
7653	Hostler.....	1	225	2 00	450 00	8
7653	Other outside labor.....	1	225	2 36	531 00	8
7656	Machine cutters.....	12	126	2 50	315 00	8
7656	Loaders.....	65	126	2 80	352 80	8
7656	Track layers.....	2	126	2 56	322 56	8
7656	Drivers.....	7	126	2 56	322 56	8
7656	Pumpers.....	2	126	2 36	297 36	8
7656	Cagers.....	2	126	2 56	322 56	8
7656	Trappers.....	2	126	1 13	142 38	8
7656	Other inside labor.....	4	126	2 46	309 96	8
7656	Engineers.....	2	126	2 50	315 00	8
7656	Firemen.....	2	126	2 36	279 36	8
7656	Weighman.....	1	126	2 85	359 10	8
7656	Trimmers.....	3	126	2 36	297 36	8
7656	Blacksmith.....	1	126	2 81	354 06	8
7656	Hostler.....	3	126	1 35	170 10	8
7656	Other outside labor.....	3	126	2 36	297 36	8
7658	Pick miners.....	38	116	3 00	348 00	8
7658	Track layer.....	1	116	2 56	266 96	8
7658	Drivers.....	4	116	2 56	266 96	8
7658	Pumper.....	1	116	2 36	273 76	8
7658	Cager.....	1	116	2 36	273 76	8
7658	Engineer.....	1	116	2 50	290 00	8
7658	Weighman.....	1	116	2 25	261 00	8
7658	Trimmer.....	1	116	2 36	273 76	8
7658	Blacksmith.....	1	116	2 81	325 96	8
7659	Machine cutters.....	11	173	4 45	768 45	8
7659	Loaders.....	90	173	2 66	460 18	8
7659	Track layers.....	3	173	2 56	442 88	8
7659	Drivers.....	20	173	2 56	442 88	8
7659	Timbermen.....	2	173	2 36	408 28	8
7659	Cagers.....	2	173	2 56	460 18	8
7659	Trappers.....	3	173	1 13	195 49	8
7659	Other inside labor.....	2	173	2 36	408 28	8
7659	Engineers.....	2	173	3 04	525 92	12
7659	Firemen.....	2	173	3 04	525 92	12
7659	Weighman.....	1	173	2 36	408 28	8
7659	Dumper.....	1	173	2 36	408 28	8
7659	Trimmers.....	2	173	2 36	408 28	8
7659	Carpenter.....	1	173	2 36	408 28	8
7659	Blacksmiths.....	2	173	3 00	519 00	8
7659	Greaser.....	1	173	2 36	408 28	8
7659	Hostler.....	1	173	2 23	385 79	8
7660	Pick miners.....	8	112	1 80	201 60	8
7660	Driver.....	1	112	2 56	286 72	8
7661	Machine cutters.....	7	212	3 00	636 00	7
7661	Loaders.....	66	212	3 00	636 00	7
7661	Track layers.....	3	212	2 56	542 72	8
7661	Drivers.....	7	212	2 56	542 72	8
7661	Pumpers.....	4	212	2 36	500 32	8
7661	Cagers.....	3	212	2 56	542 72	8
7661	Trappers.....	6	212	1 13	239 56	8
7661	Other inside labor.....	10	212	2 36	500 32	8
7661	Engineers.....	2	212	3 04	644 48	10
7661	Weighman.....	1	212	2 40	508 80	8
7661	Dumper.....	1	212	2 36	500 32	8
7661	Trimmers.....	2	212	2 36	500 32	8
7661	Carpenters.....	2	212	2 70	572 40	8
7661	Blacksmith.....	1	212	2 81	595 72	8
7661	Other outside labor.....	5	212	2 36	500 32	8
7662	Pickminers.....	40	162	3 08	498 96	8
7662	Track layers.....	3	162	2 56	414 72	8
7662	Drivers.....	6	162	2 56	414 72	8
7662	Pumper.....	1	162	2 56	414 72	8
7662	Engineer.....	1	162	2 81	455 22	8
7662	Fireman.....	1	162	2 36	382 32	8
7662	Weighman.....	1	162	2 25	364 50	8
7662	Dumper.....	1	162	2 36	382 32	8

TABLE IX₇—COAL MINING—GUERNSEY COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7662	Trimmer.....	2	162	\$2 36	\$382 32	8
7662	Blacksmith.....	2	162	2 31	455 22	8
7662	Greaser.....	1	162	2 36	382 32	8
7662	Hostler.....	1	162	1 13	133 06	8
7663†	Pick miners.....	52	251	3 15	790 60	8
7663	Machine cutters.....	64	251	4 25	1,066 75	8
7663	Loaders.....	418	251	2 80	702 80	8
7663	Track layers.....	12	251	2 56	642 56	8
7663	Drivers.....	67	251	2 56	642 56	8
7663	Timbermen.....	10	251	2 56	642 56	8
7663	Pumpers.....	8	251	2 36	592 36	8
7663	Cagers.....	7	251	2 56	642 56	8
7663	Trappers.....	25	251	1 13	283 63	8
7663	Other inside labor.....	15	251	2 36	592 36	8
7663	Engineer.....	10	251	2 50	627 50	8
7663	Firemen.....	12	251	2 36	592 36	8
7663	Weighmen.....	4	251	2 60	652 60	8
7663	Trimmers.....	10	251	2 56	622 56	8
7663	Carpenters.....	3	251	2 50	627 50	8
7663	Blacksmiths.....	7	251	2 81	705 31	8
7663	Greasers.....	4	251	1 40	351 40	8
7663	Hostlers.....	4	251	2 25	564 75	8
7663	Other outside labor.....	8	251	2 36	592 36	8
7664	Pick miners.....	2	190	2 00	380 00	8
7927	Machine cutters.....	8	229	3 12	708 48	8
7927	Loaders.....	65	229	2 15	492 35	8
7927	Track layers.....	2	229	2 56	586 24	8
7927	Drivers.....	7	229	2 56	586 24	8
7927	Timberman.....	1	229	2 56	586 24	8
7927	Pumpers.....	2	229	2 36	540 44	8
7927	Cager.....	1	229	2 56	586 24	8
7927	Trappers.....	2	229	1 13	258 77	8
7927	Other inside labor.....	2	229	2 46	563 34	8
7927	Engineers.....	2	229	2 50	572 50	8
7927	Firemen.....	3	229	2 36	540 44	8
7927	Weighman.....	1	229	2 00	458 00	8
7927	Trimmers.....	3	229	2 36	540 44	8
7927	Blacksmith.....	1	229	2 81	643 49	8
7927	Hostler.....	1	229	1 50	343 50	8
7927	Other outside labor.....	4	229	2 46	563 34	8
8080	Machine cutters.....	4	173	4 26	736 98	8
8080	Loaders.....	58	173	2 50	432 50	8
8080	Track layers.....	2	173	2 56	442 88	8
8080	Drivers.....	4	173	2 56	442 88	8
8080	Cagers.....	2	173	2 56	442 88	8
8080	Trapper.....	1	173	1 13	195 49	8
8080	Engineers.....	2	173	2 42	418 66	8
8080	Fireman.....	1	173	2 36	408 28	8
8080	Weighman.....	1	173	2 36	408 28	8
8080	Trimmer.....	2	173	2 36	408 28	8
8080	Blacksmith.....	1	173	2 87	499 51	8
8123	Pick miners.....	8	175	2 10	367 50	8
8123	Carpenters.....	3	175	2 00	350 00	8
8123	Other outside labor.....	31	175	1 50	262 50	8
8163	Pick miners.....	4	166	3 50	581 00	8
8163	Machine cutters.....	16	166	3 75	622 50	8
8163	Loaders.....	105	166	3 25	539 50	8
8163	Track layers.....	4	166	2 41	400 06	8
8163	Drivers.....	13	166	2 58	428 28	8
8163	Timbermen.....	6	166	2 56	424 96	8
8163	Pumpers.....	2	166	2 36	391 76	8
8163	Cagers.....	2	166	2 56	424 96	8
8163	Trappers.....	5	166	1 13	187 58	8
8163	Other inside labor.....	4	166	2 36	391 76	8
8163	Engineers.....	2	166	3 00	498 00	8
8163	Firemen.....	3	166	2 36	391 76	8

†4 mines.

TABLE IX7—COAL MINING—GUERNSEY COUNTY—Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8163	Weighman.....	1	166	\$2 36	\$391 76	2
8163	Trimmers.....	3	166	28 36	391 76	2
8163	Carpenter.....	1	166	28 50	415 00	2
8163	Blacksmiths.....	2	166	28 00	493 00	2
8163	Hostler.....	1	166	28 50	415 00	2
8163	Other outside labor.....	2	166	36	391 76	2

TABLE IX8—COAL MINING—HARRISON COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7670	Pick miner.....	1	140	\$1 50	\$210 00	8
7671	Pick miners.....	5	310	2 00	620 00	8
7673	Pick miner.....	1	215	1 90	408 50	8
7674	Pick miners.....	58	96	3 09	296 64	8
7674	Track layers.....	2	96	2 42	232 32	8
7674	Drivers.....	5	96	2 33	223 68	8
7674	Trapper.....	1	96	1 06	101 76	8
7674	Other inside labor.....	3	96	2 35	224 60	8
7674	Engineer.....	1	96	2 00	192 00	8
7674	Weighman.....	1	96	1 50	144 00	8
7674	Dumpers.....	2	96	1 90	182 40	8
7674	Trimmer.....	1	96	2 10	201 60	8
7674	Blacksmith.....	1	96	2 50	240 00	8
7675	Pick miner.....	1	60	2 25	135 00	8
7676	Pick miners.....	260	206	2 90	597 40	8
7676	Machine cutters.....	4	206	2 90	597 40	8
7676	Loaders.....	22	206	2 80	576 80	8
7676	Track layers.....	8	206	2 46	506 76	8
7676	Drivers.....	18	206	2 56	527 36	8
7676	Timbermen.....	3	206	2 36	486 16	8
7676	Pumpers.....	3	206	2 56	527 36	8
7676	Trappers.....	7	206	1 13	232 78	8
7676	Other inside labor.....	15	206	2 43	500 58	8
7676	Engineer.....	1	206	2 90	597 40	8
7676	Fireman.....	1	206	1 92	395 52	8
7676	Weighman.....	1	206	2 36	486 16	8
7676	Dumper.....	1	206	2 10	432 60	8
7676	Trimmers.....	7	206	1 89	389 34	8
7676	Carpenters.....	2	206	2 36	486 16	8
7676	Blacksmiths.....	3	206	2 62	539 72	8
7676	Hostler.....	1	206	2 10	432 60	8
7676	Other outside labor.....	10	206	2 02	416 12	8
7677	Pick miner.....	1	14	2 10	29 40	8
7679	Pick miner.....	1	52	1 50	78 00	8
7680	Pick miners.....	4	310	2 00	620 00	8
7680	Other outside labor.....	1	310	1 50	465 00	8
8103	Pick miners.....	30	220	2 14	470 80	8
8103	Track layers.....	2	220	2 56	563 20	8
8103	Drivers.....	4	220	2 56	563 20	8
8103	Timberman.....	1	220	2 56	563 20	8
8103	Cager.....	1	220	1 68	369 60	8
8103	Trapper.....	1	220	1 13	248 60	8
8103	Other inside labor.....	3	220	2 36	519 20	8
8103	Engineer.....	1	220	2 25	495 00	8
8103	Weighman.....	1	220	1 50	330 00	8
8103	Trimmer.....	1	220	2 00	440 00	8
8103	Other outside labor.....	2	220	1 50	330 00	8

TABLE IX₉—COAL MINING—HOCKING COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7519	Machine cutters.....	2	200	\$4 00	\$800 00	xx
7519	Loaders.....	18	200	3 00	600 00	xx
7519	Track layer.....	1	200	2 36	472 00	xx
7519	Drivers.....	4	200	2 56	512 00	xx
7519	Engineer.....	1	200	3 00	600 00	xx
7519	Weighman.....	1	200	2 36	472 00	xx
7519	Dumper.....	1	200	2 36	472 00	xx
7519	Trimmer.....	1	200	2 36	472 00	xx
7685*	Machine cutters.....	56	200	4 93	986 00	xx
7685	Loaders.....	572	200	3 06	612 00	xx
7685	Track layers.....	6	200	2 75	550 00	xx
7685	Drivers.....	47	200	2 56	512 00	xx
7685	Timbermen.....	3	200	2 56	512 00	xx
7685	Pumpers.....	3	200	2 56	512 00	xx
7685	Trappers.....	31	200	1 13	226 00	xx
7685	Other inside labor.....	43	200	2 57	514 00	xx
7685	Engineers.....	8	200	2 75	550 00	xx
7685	Firemen.....	7	200	2 36	472 00	xx
7685	Weighmen.....	4	200	2 25	450 00	xx
7685	Dumpers.....	4	200	2 25	450 00	xx
7685	Trimmers.....	24	200	2 36	472 00	xx
7685	Carpenters.....	3	200	2 80	560 00	xx
7685	Blacksmiths.....	5	200	3 10	620 00	xx
7685	Greasers.....	2	200	1 90	380 00	xx
7685	Other outside labor.....	8	200	2 26	452 00	xx
7688*	Pick miners.....	8	122	4 00	488 00	xx
7688	Machine cutters.....	30	122	5 00	610 00	xx
7688	Loaders.....	295	122	3 00	366 00	xx
7688	Track layers.....	6	122	2 56	312 32	xx
7688	Drivers.....	28	122	2 56	312 32	xx
7688	Timbermen.....	5	122	2 56	312 32	xx
7688	Pumpers.....	3	122	2 36	287 92	xx
7688	Trappers.....	10	122	1 13	137 86	xx
7688	Other inside labor.....	16	122	2 56	312 32	xx
7688	Engineers.....	5	122	2 81	342 82	xx
7688	Firemen.....	2	122	2 36	287 92	xx
7688	Weighmen.....	3	122	2 75	335 50	xx
7688	Dumpers.....	8	122	2 36	287 92	xx
7688	Trimmers.....	14	122	2 36	287 92	xx
7688	Carpenters.....	2	122	2 81	342 82	xx
7688	Blacksmiths.....	5	122	3 00	366 00	xx
7688	Greasers.....	4	122	1 41	172 02	xx
7688	Hostlers.....	3	122	2 00	244 00	xx
7688	Other outside labor.....	5	122	2 36	287 92	xx
7689†	Pick miners.....	115	180	2 66	478 80	xx
7689	Machine cutters.....	107	180	5 94	1,069 20	xx
7689	Loaders.....	980	180	2 72	489 60	xx
7689	Track layers.....	18	180	2 56	460 80	xx
7689	Drivers.....	86	180	2 56	460 80	xx
7689	Timbermen.....	5	180	2 56	460 80	xx
7689	Pumpers.....	10	180	2 56	460 80	xx
7689	Trappers.....	54	180	1 13	289 48	xx
7689	Other inside labor.....	55	180	2 52	453 60	xx
7689	Engineers.....	10	180	2 51	451 80	xx
7689	Firemen.....	7	180	2 32	417 60	xx
7689	Weighmen.....	6	180	2 00	360 00	xx
7689	Dumpers.....	6	180	2 50	450 00	xx
7689	Trimmers.....	34	180	2 36	424 80	xx
7689	Carpenters.....	7	180	2 66	478 80	xx
7689	Blacksmiths.....	7	180	1 50	270 00	xx
7689	Greasers.....	7	180	3 10	558 00	xx
7689	Hostlers.....	8	180	2 12	381 60	xx
7689	Other outside labor.....	45	180	2 36	424 80	xx
7690	Pick miners.....	14	200	4 00	800 00	xx
7690	Other inside labor.....	1	200	2 56	512 00	xx

*4 mines.

†6 mines.

TABLE IX₉—COAL MINING—HOCKING COUNTY—Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7690	Trimmers.....	2	200	\$2 56	\$512 00	8
7690	Other outside labor.....	1	200	2 56	512 00	8
8170	Machine cutters.....	2	216	3 50	756 00	8
8170	Loaders.....	15	216	3 50	540 00	8
8170	Track layer.....	1	216	3 36	509 76	8
8170	Drivers.....	2	216	3 56	552 96	8
8170	Engineer.....	1	216	3 50	540 00	8
8170	Dumper.....	1	216	2 25	486 00	8
8170	Trimmer.....	1	216	2 25	486 00	8

TABLE IX₁₀—COAL MINING—HOLMES COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7696	Pick miners.....	6	280	\$1 65	\$462 00	7
7697	Pick miners.....	2	312	1 68	524 16	
7698	Pick miners.....	15	300	1 80	540 00	6
7698	Drivers.....	2	300	1 50	450 00	6
7698	Other inside labor.....	2	300	1 50	450 00	6
7698	Weighman.....	1	300	1 50	450 00	10
7698	Other outside labor.....	2	300	1 50	450 00	8
7699	Pick miners.....	8	135	1 50	202 50	8
7699	Track layer.....	1	135	2 00	270 00	8
7699	Driver.....	1	135	1 50	202 50	8
7699	Other inside labor.....	1	135	1 25	168 75	8
7701	Pick miners.....	2	250	1 50	375 00	8
8105	Pick miners.....	19	237	2 50	592 50	8
8105	Track layer.....	1	237	2 56	606 72	8
8105	Drivers.....	1	237	2 56	606 72	8
8105	Engineer.....	1	237	2 00	474 00	8
8105	Weighman.....	1	237	1 75	414 65	8
8105	Dumper.....	1	237	1 75	414 65	8
8105	Trimmer.....	1	237	1 75	414 65	8
8105	Blacksmith.....	1	237	2 00	474 00	8

TABLE IX_{II}—COAL MINING—JACKSON COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7705	Pick miners.....	28	275	\$2 61	\$617 75	8
7705	Machine cutters.....	20	275	3 58	378 50	8
7705	Loaders.....	80	275	2 79	767 25	8
7705	Track layers.....	4	275	2 25	618 75	8
7705	Drivers.....	25	275	1 96	539 00	8
7705	Timbermen.....	3	275	2 25	618 75	8
7705	Pumpers.....	2	275	2 00	550 00	8
7705	Cagers.....	3	275	2 00	550 00	8
7705	Trappers.....	8	275	95	261 25	8
7705	Other inside labor.....	17	275	2 03	558 25	8
7705	Engineers.....	3	275	3 00	825 00	8
7705	Firemen.....	2	275	2 15	591 25	8
7705	Weighman.....	1	275	2 75	756 25	8
7705	Dumpers.....	3	275	2 00	550 00	8
7705	Trimmers.....	5	275	2 10	577 50	8
7705	Carpenter.....	1	275	2 25	618 75	8
7705	Blacksmith.....	3	275	2 62	720 50	8
7705	Greasers.....	3	275	1 18	324 50	8
7705	Other outside labor.....	12	275	2 01	552 75	8
7706	Pick miners.....	50	250	3 00	750 00	8
7706	Track layers.....	2	250	2 21	552 50	8
7706	Drivers.....	10	250	1 96	490 00	8
7706	Timberman.....	1	250	2 21	552 50	8
7706	Pumper.....	1	250	2 00	500 00	8
7706	Cager.....	1	250	2 00	500 00	8
7706	Trappers.....	3	250	94	235 00	8
7706	Other inside labor.....	4	250	2 50	625 00	8
7706	Engineer.....	1	250	2 75	687 50	8
7706	Firemen.....	2	250	2 10	525 00	8
7706	Weighman.....	1	250	2 55	637 50	8
7706	Dumpers.....	1	250	1 96	490 00	8
7706	Trimmers.....	2	250	2 00	500 00	8
7706	Blacksmith.....	1	250	2 45	612 50	8
7706	Greaser.....	1	250	1 15	287 50	8
7706	Other outside labor.....	1	250	2 15	557 50	8
7707*	Pick miners.....	25	216	2 45	529 20	8
7707	Machine cutters.....	6	216	2 31	498 96	8
7707	Loaders.....	27	216	2 52	544 32	8
7707	Track layers.....	2	216	2 25	486 00	8
7707	Drivers.....	5	216	2 00	432 00	8
7707	Other inside labor.....	6	216	2 00	432 00	8
7707	Engineer.....	2	216	2 50	540 00	8
7707	Weighman.....	1	216	2 16	466 56	8
7707	Dumper.....	1	216	2 00	432 00	8
7707	Trimmer.....	1	216	2 00	432 00	8
7707	Blacksmith.....	1	216	2 35	507 60	8
7708	Pick miners.....	6	110	2 85	313 50	8
7708	Driver.....	1	110	2 06	226 60	8
7708	Other outside labor.....	1	110	2 06	226 60	8
7709	Pick miners.....	4	218	3 15	686 70	8
7709	Driver.....	1	218	2 06	449 08	8
7709	Engineer.....	1	218	2 06	449 08	8
7709	Weighman.....	1	218	1 50	327 00	8
7710*	Pick miners.....	41	236	2 42	571 12	8
7710	Machine cutters.....	8	236	3 72	877 92	8
7710	Loaders.....	50	236	2 68	632 48	8
7710	Track layers.....	3	236	2 58	608 88	8
7710	Drivers.....	20	236	1 91	450 76	8
7710	Pumpers.....	3	236	2 06	486 16	8
7710	Cagers.....	3	236	2 01	474 36	8
7710	Trappers.....	5	236	2 24	523 64	8
7710	Other inside labor.....	15	236	2 91	685 16	8
7710	Engineers.....	2	236	3 52	834 72	8
7710	Firemen.....	2	236	3 68	832 48	8
7710	Weighmen.....	2	236	1 90	448 40	8
7710	Dumpers.....	3	236	1 98	467 28	8
7710	Trimmers.....	4	236	1 98	467 28	8

*2 mines.

TABLE IXI—COAL MINING—JACKSON COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7710	Blacksmiths.....	2	236	\$2 44	\$575 84	8
7710	Greaser.....	1	236	1 12	264 32	8
7710	Other outside labor.....	8	236	1 96	468 56	8
7712	Pick miners.....	6	275	3 50	962 50	8
7712	Machine cutters.....	4	275	2 25	618 75	8
7712	Loaders.....	20	275	2 50	687 50	8
7712	Track layer.....	1	275	2 31	635 25	8
7712	Drivers.....	7	275	2 06	566 50	8
7712	Pumper.....	1	275	1 80	495 00	8
7712	Cager.....	1	275	2 06	566 50	8
7712	Trappers.....	4	275	1 00	275 00	8
7712	Other inside labor.....	3	275	2 06	566 50	8
7712	Engineer.....	1	275	2 40	660 00	8
7712	Fireman.....	1	275	1 25	343 75	8
7712	Dumper.....	1	275	2 06	566 50	8
7712	Blacksmith.....	1	275	2 58	704 00	8
7712	Other outside labor.....	1	275	2 06	566 50	8
7713*	Pick miners.....	21	190	1 50	285 00	8
7713	Drivers.....	3	190	2 06	371 40	8
7713	Engineer.....	1	190	2 00	380 00	8
7713	Weigher.....	1	190	1 75	332 50	8
7713	Carpenters.....	3	190	2 00	380 00	8
7713	Other outside labor.....	5	190	1 50	285 00	8
7714	Machine cutters.....	4	250	2 25	562 50	8
7714	Loaders.....	8	250	2 25	562 50	8
7714	Track layer.....	1	250	2 31	577 50	8
7714	Drivers.....	2	250	2 06	515 00	8
7714	Other inside labor.....	2	250	2 25	562 50	8
7714	Engineer.....	1	250	2 50	625 00	8
7714	Weighman.....	1	250	2 00	500 00	8
7714	Trimmer.....	1	250	2 06	515 00	8
7715	Machine cutters.....	2	250	3 00	750 00	8
7715	Loaders.....	7	250	2 55	637 50	8
7715	Driver.....	1	250	2 25	562 50	8
7715	Other inside labor.....	3	250	2 25	562 50	8
7715	Blacksmith.....	1	250	2 25	562 50	8
7716	Pick miners.....	22	300	2 06	618 00	8
7716	Track layer.....	1	300	2 06	618 00	8
7716	Drivers.....	3	300	2 06	618 00	8
7716	Pumper.....	1	300	2 06	618 00	8
7716	Other inside labor.....	3	300	2 06	618 00	8
7716	Weighman.....	1	300	1 50	450 00	8
7716	Trimmer.....	1	300	2 06	618 00	8
7716	Blacksmith.....	1	300	2 31	693 00	8
7718†	Pick miners.....	127	232	2 58	598 56	8
7718	Machine cutters.....	10	232	3 00	696 00	8
7718	Loaders.....	55	232	3 25	754 00	8
7718	Track layers.....	6	232	2 31	515 92	8
7718	Drivers.....	19	232	2 06	477 92	8
7718	Cagers.....	4	232	2 15	498 80	8
7718	Trappers.....	4	232	1 00	232 00	8
7718	Other inside labor.....	46	232	2 06	477 92	8
7718	Engineers.....	4	232	2 92	687 44	8
7718	Firemen.....	2	232	1 67	387 44	8
7718	Weighmen.....	3	232	2 06	477 92	8
7718	Dumpers.....	4	232	2 06	477 92	8
7718	Trimmers.....	6	232	2 06	477 92	8
7718	Blacksmiths.....	4	232	2 56	593 92	8
7718	Greasers.....	2	232	1 00	232 00	8
7718	Other outside labor.....	6	232	2 06	477 92	8
7719	Pick miners.....	10	60	2 50	150 00	9
7719	Drivers.....	2	60	2 06	123 60	9
7719	Other inside labor.....	1	60	2 06	123 60	9
7719	Weighman.....	1	60	2 06	123 60	9
7719	Trimmer.....	1	60	2 06	123 60	9

*2 mines.

†3 mines.

TABLE IX_{II}—COAL MINING—JACKSON COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7720†	Pick miners.....	221	227	\$3 00	\$681 00	8
7720	Track layers.....	5	227	2 31	524 37	8
7720	Drivers.....	25	227	2 06	467 62	8
7720	Timbermen.....	2	227	2 06	467 62	8
7720	Pumpers.....	4	227	2 06	467 62	8
7720	Cagers.....	5	227	2 14	485 78	8
7720	Trappers.....	10	227	1 00	227 00	8
7720	Other inside labor.....	10	227	2 06	467 62	8
7720	Engineers.....	4	227	2 50	567 50	8
7720	Firemen.....	2	227	2 06	467 62	8
7720	Weighmen.....	3	227	2 40	544 80	8
7720	Dumpers.....	4	227	2 06	467 62	8
7720	Trimmers.....	5	227	2 06	467 62	8
7720	Blacksmiths.....	2	227	2 56	581 12	8
7720	Greasers.....	2	227	1 25	283 75	8
7720	Hostlers.....	3	227	2 00	454 00	8
7720	Other outside labor.....	10	227	2 06	467 62	8
7721†	Pick miners.....	649	291	2 65	818 05	8
7721	Machine cutters.....	36	291	3 13	910 83	8
7721	Loaders.....	190	291	2 25	654 75	8
7721	Track layers.....	15	291	2 31	672 21	8
7721	Drivers.....	189	291	2 06	599 46	8
7721	Timbermen.....	24	291	2 06	599 46	8
7721	Pumpers.....	9	291	2 06	599 46	8
7721	Cagers.....	26	291	2 16	628 56	8
7721	Trappers.....	86	291	1 00	291 00	8
7721	Other inside labor.....	129	291	2 06	599 46	8
7721	Engineers.....	9	291	2 16	628 56	8
7721	Firemen.....	16	291	2 06	599 46	8
7721	Weighmen.....	9	291	1 83	532 53	8
7721	Dumpers.....	6	291	2 06	599 46	8
7721	Trimmers.....	28	291	2 06	599 46	8
7721	Carpenters.....	3	291	2 25	654 75	8
7721	Blacksmiths.....	13	291	2 56	744 96	8
7721	Greasers.....	16	291	1 24	360 84	8
7721	Hostlers.....	9	291	1 83	532 53	8
7721	Other outside labor.....	29	291	2 10	611 10	8
7722	Pick miners.....	4	60	3 00	180 00	8
7722	Other inside labor.....	1	60	1 65	99 00	8
7722	Other outside labor.....	1	60	1 65	99 00	8
7723	Pick miners.....	2	300	2 06	618 00	8
7724	Pick miners.....	82	252	2 25	567 00	8
7724	Machine cutters.....	6	252	2 75	693 00	8
7724	Loaders.....	30	252	2 25	567 00	8
7724	Track layers.....	3	252	2 31	582 12	8
7724	Drivers.....	20	252	2 06	519 12	8
7724	Timbermen.....	2	252	2 31	582 12	8
7724	Pumper.....	1	252	2 00	504 00	8
7724	Cagers.....	2	252	2 31	582 12	8
7724	Trappers.....	9	252	1 00	252 00	8
7724	Other inside labor.....	5	252	2 06	519 12	8
7724	Engineer.....	1	252	2 50	630 00	8
7724	Fireman.....	1	252	2 00	504 00	8
7724	Weighman.....	1	252	2 16	544 32	8
7724	Dumpers.....	3	252	2 06	519 12	8
7724	Trimmers.....	2	252	2 06	519 12	8
7724	Carpenter.....	1	252	2 41	607 32	8
7724	Blacksmith.....	1	252	2 56	645 12	8
7724	Greaser.....	1	252	1 00	252 00	8
7724	Hostler.....	1	252	2 00	504 00	8
7724	Other outside labor.....	2	252	1 58	393 12	8
7725	Pick miners.....	28	216	2 95	637 20	8
7725	Track layers.....	2	216	2 31	498 96	8
7725	Drivers.....	4	216	2 06	444 96	8
7725	Trappers.....	2	216	1 00	216 00	8

†2 mines.

‡9 mines.

TABLE IXII—COAL MINING—JACKSON COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7725	Engineer.....	1	216	\$2 50	\$540 00	8
7725	Weighman.....	1	216	2 06	444 96	8
7725	Trimmers.....	2	216	2 06	444 96	8
7725	Blacksmith.....	1	216	2 56	552 96	8
7725	Greaser.....	1	216	2 06	444 96	8
7726	Pick miners.....	30	200	2 25	450 00	8
7726	Track layer.....	1	200	2 31	462 00	8
7726	Drivers.....	5	200	2 06	412 00	8
7726	Trappers.....	2	200	1 00	200 00	8
7726	Weighman.....	1	200	2 16	432 00	8
7726	Trimmer.....	1	200	2 06	412 00	8
7726	Blacksmith.....	1	200	2 06	412 00	8
7726	Greaser.....	1	200	2 06	412 00	8
7729	Pick miners.....	30	154	2 85	438 90	8
7729	Track layer.....	1	154	2 31	355 74	8
7729	Drivers.....	2	154	2 10	323 40	8
7729	Trapper.....	1	154	1 25	192 50	8
7729	Other inside labor.....	3	154	2 06	317 24	8
7729	Weighman.....	1	154	2 10	323 40	8
7729	Trimmer.....	1	154	2 16	332 64	8
7729	Blacksmith.....	1	154	2 31	355 74	8
7731*	Pick miners.....	135	175	2 10	367 50	8
7731	Track layers.....	2	175	2 31	404 25	8
7731	Drivers.....	12	175	2 06	360 50	8
7731	Pumpers.....	2	175	2 00	350 00	8
7731	Cager.....	1	175	2 06	360 50	8
7731	Trappers.....	4	175	1 00	175 00	8
7731	Other inside labor.....	6	175	2 06	360 50	8
7731	Engineer.....	1	175	2 12	371 00	8
7731	Fireman.....	1	175	2 06	360 50	8
7731	Weighmen.....	2	175	2 06	360 50	8
7731	Dumpers.....	2	175	2 06	360 50	8
7731	Trimmers.....	2	175	2 06	360 50	8
7731	Blacksmiths.....	2	175	2 41	421 75	8
7731	Greasers.....	2	175	1 25	218 75	8
7731	Hostlers.....	2	175	50	87 50	8
7732	Pick miners.....	72	207	2 85	589 95	8
7732	Track layers.....	2	207	2 32	480 24	8
7732	Drivers.....	14	207	2 06	426 42	8
7732	Timberman.....	1	207	2 16	446 12	8
7732	Pumper.....	1	207	2 06	426 42	8
7732	Cagers.....	2	207	2 06	426 42	8
7732	Trappers.....	6	207	1 00	207 00	8
7732	Engineer.....	1	207	2 06	426 42	8
7732	Weighman.....	1	207	2 16	446 12	8
7732	Trimmers.....	2	207	2 06	426 42	8
7732	Blacksmith.....	1	207	2 50	517 50	8
7732	Greaser.....	1	207	2 06	426 42	8
7732	Other outside labor.....	1	207	2 06	426 42	8
7733	Pick miners.....	18	129	1 51	195 19	8
7733	Track layer.....	1	129	2 31	297 99	8
7733	Drivers.....	2	129	2 06	265 74	8
7733	Timberman.....	1	129	2 06	265 74	8
7733	Pumper.....	1	129	2 06	265 74	8
7733	Cager.....	1	129	2 16	278 64	8
7733	Other inside labor.....	2	129	2 06	265 74	8
7733	Fireman.....	1	129	2 06	265 74	8
7733	Weighman.....	1	129	1 83	236 07	8
7733	Dumper.....	1	129	2 06	265 74	8
7733	Trimmer.....	1	129	2 06	265 74	8
7733	Blacksmith.....	1	129	2 56	330 24	8
7733	Greasers.....	2	129	1 24	159 96	8
7733	Hostler.....	1	129	1 83	236 07	8
7731	Pick miners.....	15	250	2 25	562 50	8
7735	Pick miners.....	34	216	1 96	423 36	8
7735	Machine cutters.....	4	216	2 50	540 00	8

*2 mines.

TABLE IX₁₁—COAL MINING—JACKSON COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7735	Loaders.....	6	216	\$1 96	\$423 36	8
7735	Track layer.....	1	216	2 31	498 96	8
7735	Drivers.....	4	216	2 06	444 96	8
7735	Cager.....	1	216	2 06	444 96	8
7735	Trappers.....	3	216	1 00	216 00	8
7735	Other inside labor.....	1	216	2 06	444 96	8
7735	Engineer.....	1	216	2 31	498 96	8
7735	Weighman.....	1	216	2 06	444 96	8
7735	Dumper.....	1	216	2 06	444 96	8
7735	Trimmer.....	1	216	2 06	444 96	8
7735	Blacksmith.....	1	216	2 31	498 96	8
7735	Greaser.....	1	216	1 00	216 00	8
7735	Other outside labor.....	3	216	2 06	444 96	8
7736	Pick miners.....	2	200	1 25	250 00	8
7739	Pick miners.....	35	165	2 75	453 75	6
7739	Track layer.....	1	165	2 31	381 15	8
7739	Drivers.....	8	165	2 06	339 90	7
7739	Trappers.....	2	165	1 00	165 00	8
7739	Other inside labor.....	4	165	2 06	339 90	8
7739	Engineer.....	1	165	2 50	412 50	10
7739	Blacksmith.....	1	165	2 25	371 25	10
7739	Greaser.....	1	165	1 25	206 25	10
7740*	Pick miners.....	30	200	1 60	320 00	8
7740	Machine cutters.....	4	200	2 06	412 00	8
7740	Loaders.....	20	200	1 60	320 00	8
7740	Track layer.....	1	200	2 31	462 00	8
7740	Drivers.....	4	200	2 06	412 00	8
7740	Cager.....	1	200	2 06	412 00	8
7740	Weighman.....	1	200	2 06	412 00	8
7740	Trimmers.....	2	200	2 06	412 00	8
7740	Blacksmith.....	1	200	2 41	482 00	8
7740	Hostler.....	1	200	2 06	412 00	8
7741	Loaders.....	10	200	1 50	300 00	8
7742	Machine cutters.....	2	207	2 37	490 59	8
7742	Loaders.....	8	207	2 06	426 42	8
7742	Drivers.....	2	207	2 06	426 42	8
7742	Engineer.....	1	207	2 31	478 17	8
7742	Trimmer.....	1	207	2 06	426 42	8
7742	Blacksmith.....	1	207	2 56	529 92	8
7746	Pick miners.....	15	151	4 07	614 57	8
7746	Track layer.....	1	151	2 06	311 06	8
7746	Driver.....	1	151	1 25	189 75	8
7746	Trapper.....	1	151	1 00	151 00	8
7746	Other inside labor.....	3	151	2 12	320 12	8
7746	Dumper.....	1	151	2 06	311 06	8
8132	Pick miners.....	16	156	2 70	421 20	8
8132	Track layer.....	1	156	2 31	460 36	8
8132	Drivers.....	2	156	2 06	321 36	8
8132	Trapper.....	1	156	1 00	156 00	8
8132	Other inside labor.....	2	156	2 06	321 36	8
8132	Weighman.....	1	156	1 67	280 52	8
8132	Trimmer.....	1	156	2 06	321 36	8
8132	Blacksmith.....	1	156	2 50	394 00	8
8173	Pick miners.....	33	207	2 10	434 70	8
8173	Track layer.....	1	207	2 41	498 87	8
8173	Drivers.....	4	207	2 06	426 42	8
8173	Other inside labor.....	3	207	2 06	426 42	8
8173	Weighman.....	1	207	2 06	426 42	8
8173	Dumper.....	1	207	2 06	426 42	8
8173	Trimmer.....	1	207	2 06	426 42	8
8173	Blacksmith.....	1	207	2 41	498 87	8
8175	Pick miners.....	20	272	2 04	554 88	8
8175	Machine cutters.....	4	272	2 31	638 32	8
8175	Loaders.....	5	272	2 50	680 00	8
8175	Track layer.....	1	272	2 31	628 32	8
8175	Drivers.....	6	272	2 06	560 32	8

*2 mines.

TABLE IX_{II}—COAL MINING—JACKSON COUNTY—Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8175	Pumper.....	1	272	\$1 65	\$448 80	8
8175	Other inside labor.....	7	272	2 06	560 32	8
8175	Engineers.....	2	272	2 72	739 84	8
8175	Fireman.....	1	272	1 96	533 12	8
8175	Trimmer.....	1	272	1 75	476 00	8
8175	Blacksmith.....	1	272	1 90	516 80	8
8175	Greaser.....	1	272	1 56	424 32	8
8177	Pick miners.....	6	120	2 80	336 00	8
8177	Track layer.....	1	120	2 50	300 00	8
8177	Drivers.....	2	120	2 06	247 20	8
8178	Pick miners.....	28	160	1 50	240 00	8
8178	Machine cutters.....	2	160	2 75	440 00	8
8178	Loaders.....	12	160	2 00	320 00	8
8178	Track layer.....	1	160	2 31	369 60	8
8178	Drivers.....	3	160	2 06	329 60	8
8178	Engineer.....	1	160	2 50	400 00	10
8178	Weighman.....	1	160	1 54	246 40	8
8178	Trimmers.....	2	160	2 06	329 60	8
8178	Blacksmith.....	1	160	2 41	385 60	8
8179	Pick miners.....	15	150	2 00	300 00	8
8179	Machine cutters.....	2	150	2 50	375 00	8
8179	Loaders.....	7	150	2 00	300 00	8
8179	Track layer.....	1	150	2 31	346 50	8
8179	Driver.....	1	150	2 06	309 00	8
8179	Trapper.....	1	150	1 00	150 00	8
8179	Fireman.....	1	150	2 50	375 00	8
8179	Weighman.....	1	150	2 06	309 00	8
8179	Trimmer.....	1	150	2 06	309 00	8
8179	Blacksmith.....	1	150	2 31	346 50	8

TABLE IX₁₂—COAL MINING—JEFFERSON COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7750	Pick miners.....	4	264	\$ 75	\$462 00	8
7751*	Pick miners.....	493	215	1 85	397 75	8
7751	Machine cutters.....	40	215	1 85	397 75	8
7751	Loaders.....	392	215	1 85	397 75	8
7751	Track layers.....	10	215	2 00	430 00	8
7751	Drivers.....	38	215	2 25	483 75	8
7751	Timbermen.....	6	215	2 00	430 00	8
7751	Trappers.....	35	215	90	193 50	8
7751	Other inside labor.....	50	215	1 75	376 25	8
7751	Engineers.....	6	215	2 50	537 50	8
7751	Firemen.....	6	215	2 00	430 00	8
7751	Weighman.....	3	215	2 00	430 00	8
7751	Dumpers.....	6	215	1 85	397 75	8
7751	Trimmers.....	10	215	1 60	344 00	8
7751	Carpenters.....	10	215	2 15	462 25	8
7751	Blacksmiths.....	7	215	1 75	376 25	8
7751	Greasers.....	7	215	90	193 50	8
7751	Other outside labor.....	75	215	1 65	354 75	8
7752	Machine cutters.....	4	304	3 84	1,167 36	8
7752	Loaders.....	20	304	3 32	1,009 28	8
7752	Track layers.....	3	304	2 56	778 24	8
7752	Cagers.....	2	304	1 60	486 40	9
7752	Trapper.....	1	304	1 10	334 40	8
7752	Other inside labor.....	15	304	2 27	690 08	8
7752	Engineer.....	1	304	2 64	802 56	12
7752	Weighman.....	1	304	1 90	577 60	9
7752	Dumpers.....	2	304	2 10	638 40	9
7752	Carpenters.....	2	304	2 85	866 40	9
7752	Blacksmith.....	1	304	2 60	790 40	9
7752	Hostler.....	1	304	1 90	577 60	9
7752	Other outside labor.....	25	304	1 78	541 12	9, 1
7753	Pick miners.....	20	46	1 70	78 20	8
7753	Machine cutters.....	8	46	3 10	142 60	8
7753	Loaders.....	41	46	2 00	92 00	8
7753	Track layer.....	1	46	2 56	117 76	8
7753	Drivers.....	10	46	2 56	117 76	8
7753	Pumpers.....	3	46	2 56	117 76	8
7753	Cagers.....	2	46	2 56	117 76	8
7753	Trappers.....	3	46	1 13	51 98	8
7753	Other inside labor.....	4	46	2 10	96 60	8
7753	Engineer.....	1	46	2 80	128 80	8
7753	Firemen.....	2	46	2 00	92 00	8
5773	Weighman.....	1	46	2 25	103 50	8
7753	Dumpers.....	2	46	1 97	90 62	8
7753	Trimmers.....	2	46	2 16	99 36	8
7753	Blacksmith.....	1	46	2 80	128 80	8
7753	Hostler.....	1	46	2 56	117 76	8
7753	Other outside labor.....	2	46	2 10	96 60	8
7754	Machine cutters.....	4	260	3 00	780 00	9
7754	Loaders.....	35	260	2 00	520 00	8
7754	Drivers.....	2	260	2 56	665 60	8
7754	Engineer.....	1	260	2 50	650 00	8
7754	Trimmer.....	1	260	2 00	520 00	8
7754	Blacksmith.....	1	260	2 56	665 60	8
7755	Pick miners.....	9	250	2 00	500 00	8
7755	Driver.....	1	250	2 10	525 00	8
7756	Pick miners.....	124	229	2 25	515 25	8
7756	Driver.....	1	229	2 56	586 24	8
7756	Weighman.....	1	229	1 75	390 75	8
7756	Other outside labor.....	1	229	1 25	286 25	8
7757	Pick miners.....	4	250	1 75	437 50	9
7757	Other inside labor.....	1	250	1 75	437 50	9
7758	Pick miners.....	2	90	1 75	157 50	8
7759	Pick miners.....	5	160	2 00	320 00	8
7759	Track layer.....	1	160	2 00	320 00	8
7759	Driver.....	1	160	2 00	320 00	8
7759	Pumper.....	1	160	60	96 00	8

*3 mines.

TABLE IX₁₂—COAL MINING—JFEFERSON COUNTY.

Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7760	Pick miners.....	2	150	\$1 75	\$262 50	8
7761	Pick miners.....	2	200	1 50	300 00	8
7762	Pick miners.....	52	200	2 60	520 00	7.5
7762	Track layer.....	1	200	2 56	512 00	7.5
7762	Drivers.....	5	200	2 56	512 00	7.5
7762	Trappers.....	2	200	1 13	226 00	7.5
7762	Other inside labor.....	3	200	2 91	582 00	7.5
7762	Weighman.....	1	200	3 25	650 00	7.5
7762	Dumper.....	1	200	1 50	300 00	7.5
7762	Trimmer.....	1	200	2 25	450 00	7.5
7762	Blacksmith.....	1	200	2 80	560 00	7.5
7762	Greaser.....	1	200	1 50	300 00	7.5
7762	Hostler.....	1	200	2 25	450 00	7.5
7762	Other outside labor.....	1	200	1 75	350 00	7.5
7764†	Pick miners.....	167	259	3 00	777 00	8
7764	Machine cutters.....	22	259	3 50	906 50	8
7764	Loaders.....	164	259	2 50	647 50	8
7764	Track layers.....	4	259	2 56	663 04	8
7764	Drivers.....	18	259	2 56	663 04	8
7764	Timbermen.....	2	259	2 56	663 04	8
7764	Pumpers.....	4	259	2 36	600 34	8
7764	Trappers.....	4	259	1 13	292 67	8
7764	Other inside labor.....	4	259	2 36	600 34	8
7764	Engineers.....	2	259	2 50	647 50	12
7764	Weighmen.....	2	259	2 40	621 60	9
7764	Dumpers.....	2	259	2 10	543 90	9
7764	Trimmers.....	6	259	1 97	510 23	8
7764	Carpenters.....	3	259	2 55	660 45	10
7764	Blacksmiths.....	4	259	2 75	722 25	9
7764	Greasers.....	2	259	1 23	498 57	8
7764	Other outside labor.....	2	259	1 60	414 40	10
7765	Machine cutters.....	20	208	3 50	728 00	8
7765	Loaders.....	132	208	2 35	488 80	8
7765	Track layers.....	4	208	2 36	490 88	8
7765	Drivers.....	22	208	2 56	532 48	8
7765	Pumpers.....	3	208	2 36	490 88	8
7765	Cagers.....	3	208	2 56	532 48	8
7765	Trappers.....	8	208	1 13	235 04	8
7765	Other inside labor.....	4	208	2 10	436 80	8
7765	Engineer.....	1	208	3 12	648 96	8
7765	Firemen.....	1	208	2 36	490 88	8
7765	Weighman.....	1	208	3 12	648 96	8
7765	Dumper.....	1	208	2 36	490 88	8
7765	Trimmers.....	3	208	2 36	490 88	8
7765	Carpenter.....	1	208	2 53	526 24	8
7765	Blacksmith.....	1	208	2 53	526 24	8
7765	Greaser.....	1	208	2 36	490 88	8
7765	Hostler.....	1	208	2 00	416 00	8
7765	Other outside labor.....	2	208	2 00	416 00	8
7766	Pick miners.....	4	250	2 00	500 00	8
7767†	Pick miners.....	164	203	2 09	424 27	8
7767	Machine cutters.....	18	203	3 50	710 50	8
7767	Loaders.....	140	203	1 77	359 31	8
7767	Track layers.....	4	203	3 02	613 06	8
7767	Drivers.....	28	203	2 56	519 68	8
7767	Timbermen.....	2	203	2 56	519 68	8
7767	Trappers.....	11	203	1 13	229 39	8
7767	Other inside labor.....	4	203	2 14	434 42	8
7767	Engineers.....	2	203	2 50	507 50	8
7767	Firemen.....	2	203	1 98	401 94	8
7767	Weighman.....	1	203	2 50	507 50	8
7767	Dumpers.....	8	203	1 94	393 82	8
7767	Trimmers.....	6	203	1 97	399 91	8
7767	Carpenter.....	1	203	2 50	507 50	8
7767	Blacksmiths.....	4	203	2 67	542 01	8
7767	Greasers.....	2	203	1 23	249 69	8

†2 mines.

TABLE IX₁₂—COAL MINING—JEFFERSON COUNTY.

Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7767	Hostler.....	1	203	\$2 30	\$466 90	8
7767	Other outside labor.....	17	203	2 00	406 00	8
7767 ^{1/2}	Machine cutters.....	10	129	3 74	473 46	8
7767 ^{1/2}	Loaders.....	73	129	2 09	269 61	8
7767 ^{1/2}	Track layers.....	2	129	2 46	317 34	8
7767 ^{1/2}	Drivers.....	9	129	2 46	317 34	8
7767 ^{1/2}	Timberman.....	1	129	2 56	330 24	8
7767 ^{1/2}	Trappers.....	4	129	1 13	145 77	8
7767 ^{1/2}	Other inside labor.....	2	129	2 12	273 48	8
7767 ^{1/2}	Engineer.....	1	129	2 50	322 50	8
7767 ^{1/2}	Weighman.....	1	129	2 00	258 00	8
7767 ^{1/2}	Dumper.....	1	129	2 10	270 90	8
7767 ^{1/2}	Trimmer.....	1	129	1 97	254 13	8
7767 ^{1/2}	Blacksmith.....	1	129	2 80	361 20	8
7767 ^{1/2}	Hostler.....	1	129	2 00	258 00	8
7767 ^{1/2}	Other outside labor.....	10	129	2 08	268 32	8
7768	Pick miners.....	2	250	2 00	500 00	8
7771	Pick miners.....	10	184	2 50	460 00	8
7771	Machine cutters.....	18	184	2 75	506 00	8
7771	Loaders.....	117	184	2 00	368 00	8
7771	Track layers.....	3	184	2 56	471 04	8
7771	Drivers.....	0	184	2 56	471 04	8
7771	Timbermen.....	2	184	2 56	471 04	8
7771	Trappers.....	7	184	1 13	207 92	8
7771	Other inside labor.....	6	184	2 20	404 80	8
7771	Engineers.....	2	184	2 65	487 60	8
7771	Weighman.....	1	184	2 26	445 84	8
7771	Trimmers.....	2	184	2 10	368 40	8
7771	Blacksmiths.....	3	184	2 53	465 52	8
7771	Hostler.....	1	184	2 00	368 00	10
7772	Pick miners.....	6	300	2 00	600 00	8
7772	Driver.....	1	300	2 56	768 00	8
7773	Pick miners.....	2	215	2 25	483 75	8
7773	Machine cutters.....	6	215	4 00	860 00	8
7773	Loaders.....	45	215	3 00	645 00	8
7773	Track layers.....	2	215	2 56	550 40	8
7773	Drivers.....	2	215	2 56	550 40	8
7773	Timbermen.....	2	215	2 56	550 40	8
7773	Trappers.....	4	215	1 13	242 95	8
7773	Other inside labor.....	4	215	2 36	507 40	8
7773	Engineer.....	1	215	2 50	537 50	8
7773	Weighman.....	1	215	2 00	430 00	8
7773	Trimmers.....	2	215	2 05	440 75	8
7773	Carpenter.....	1	215	2 80	602 00	8
7773	Blacksmith.....	1	215	2 80	602 00	8
7773	Other outside labor.....	7	215	2 36	507 40	8
7775	Machine cutters.....	4	210	2 81	588 10	8
7775	Loaders.....	55	210	2 75	577 50	8
7775	Track layers.....	2	210	2 28	478 80	8
7775	Drivers.....	4	210	2 10	441 00	8
7775	Timbermen.....	2	210	2 28	478 80	8
7775	Pumpers.....	2	210	2 10	441 00	8
7775	Cager.....	1	210	2 10	441 00	8
7775	Trappers.....	2	210	1 00	210 00	8
7775	Other inside labor.....	2	210	2 10	441 00	8
7775	Engineers.....	2	210	2 28	478 80	8
7775	Weighmen.....	1	210	2 28	478 80	8
7775	Trimmer.....	1	210	2 10	441 00	8
7775	Blacksmiths.....	2	210	2 28	478 80	8
7775	Greaser.....	1	210	1 74	365 40	8
7775	Hostler.....	1	210	1 75	367 50	8
7775	Other outside labor.....	1	210	1 74	365 40	8
7778	Pick miners.....	80	141	2 90	408 90	8
7778	Machine cutters.....	4	141	2 90	408 90	8
7778	Track layers.....	4	141	2 56	360 96	8
7778	Drivers.....	13	141	2 56	360 96	8
7778	Pumpers.....	3	141	2 56	360 96	8

TABLE IX₁₂—COAL MINING—JEFFERSON COUNTY.

Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7778	Trappers.....	4	141	\$1 13	\$159 33	8
7778	Other inside labor.....	37	141	2 42	341 22	8
7778	Engineer.....	1	141	2 90	408 90	8
7778	Firemen.....	3	141	2 36	332 76	8
7778	Weighman.....	1	141	2 36	332 76	8
7778	Dumpers.....	2	141	2 10	296 10	8
7778	Trimmers.....	4	141	1 89	266 49	8
7778	Blacksmiths.....	2	141	2 53	356 73	8
7778	Hostler.....	1	141	2 10	296 10	8
7778	Other outside labor.....	11	141	2 03	286 23	8
8181	Pick miners.....	120	285	2 40	584 00	8
8181	Track layers.....	2	285	2 56	729 60	8
8181	Drivers.....	4	285	2 56	729 60	8
8181	Timbermen.....	2	285	2 56	729 60	8
8181	Pumpers.....	2	285	2 00	570 00	8
8181	Trappers.....	13	285	1 13	322 05	8
8181	Other inside labor.....	12	285	2 36	672 60	8
8181	Engineers.....	2	285	2 75	508 75	8
8181	Fireman.....	1	285	2 00	570 00	8
8181	Weighman.....	1	285	2 36	672 60	8
8181	Trimmers.....	2	285	1 97	561 45	8
8181	Carpenters.....	2	285	2 36	672 60	8
8181	Blacksmiths.....	2	285	2 70	769 50	8
8181	Hostler.....	1	285	2 00	570 00	8
8181	Pick miners.....	181	114	2 70	307 80	8
8184	Machine cutters.....	20	114	3 65	416 10	8
8184	Loaders.....	124	114	2 43	277 02	8
8184	Track layers.....	11	114	2 45	279 30	8
8184	Drivers.....	22	114	2 57	292 98	8
8184	Timbermen.....	11	114	2 56	291 84	8
8184	Trappers.....	7	114	1 26	143 64	8
8184	Other inside labor.....	30	114	2 63	300 82	8
8184	Engineers.....	2	114	3 00	342 00	8
8184	Fireman.....	1	114	2 00	228 00	8
8184	Weighman.....	1	114	2 50	285 00	8
8184	Dumpers.....	14	114	1 87	213 18	8
8184	Trimmers.....	4	114	1 96	223 44	8
8184	Carpenter.....	1	114	2 36	269 04	8
8184	Blacksmiths.....	3	114	2 45	279 30	8
8184	Greaser.....	1	114	1 33	151 62	8
8184	Hostler.....	1	114	2 00	228 00	8
8184	Other outside labor.....	57	114	2 76	314 64	8
8185	Pick miners.....	31	208	2 80	582 40	8
8185	Machine cutters.....	12	208	3 46	719 68	8
8185	Loaders.....	48	208	3 07	638 56	8
8185	Track layers.....	3	208	2 56	532 48	8
8185	Drivers.....	12	208	2 56	532 48	8
8185	Timbermen.....	2	208	2 46	511 68	8
8185	Pumpers.....	2	208	2 56	532 48	8
8185	Trappers.....	2	208	1 13	235 04	8
8185	Other inside labor.....	3	208	2 36	490 88	8
8185	Engineers.....	2	208	3 83	796 64	8
8185	Weighman.....	1	208	2 27	472 16	8
8185	Dumper.....	1	208	2 10	436 80	8
8185	Trimmers.....	2	208	2 00	416 00	8
8185	Carpenter.....	1	208	2 50	520 00	8
8185	Blacksmiths.....	2	208	2 66	553 28	8
8185	Greasers.....	2	208	1 90	395 20	8
8185	Hostler.....	1	208	2 18	453 44	8
8185	Other outside labor.....	16	208	1 75	364 00	8
8186	Track layers.....	2	240	2 56	614 40	8
8186	Drivers.....	4	240	2 56	614 40	8
8186	Trapper.....	1	240	1 13	272 20	8
8186	Other inside labor.....	2	240	2 36	566 40	8
8186	Weighman.....	1	240	2 50	600 00	8
8186	Trimmer.....	1	240	2 36	566 40	8
8186	Blacksmith.....	1	240	2 56	614 40	8
8186	Hostler.....	1	240	2 56	614 40	8

19 mines.

TABLE IX₁₃—COAL MINING—LAWRENCE COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7779	Pick miners.....	3	190	\$0 78	\$148 20	8
7779	Other outside labor.....	1	190	87	165 30	8
7780*	Pick miners.....	85	204	2 10	428 40	8
7780	Track layers.....	2	204	2 16	440 64	8
7780	Drivers.....	6	204	1 91	389 64	8
7780	Trappers.....	2	204	85	173 40	8
7780	Other inside labor.....	4	204	1 91	389 64	8
7780	Weighmen.....	2	204	1 91	389 64	8
7780	Dumpers.....	2	204	1 91	389 64	8
7780	Trimmers.....	2	204	1 91	389 64	8
7780	Blacksmith.....	1	204	2 10	428 40	8
7780	Hostler.....	1	204	1 00	204 00	4
7781	Pick miners.....	10	295	2 25	663 75	8
7782	Pick miners.....	55	260	2 15	559 00	8
7782	Drivers.....	5	260	2 31	600 60	8
7782	Other inside labor.....	12	260	2 06	535 60	8
7782	Weighman.....	1	260	2 35	591 00	8
7782	Blacksmith.....	1	260	2 26	587 60	8
7782	Other outside labor.....	3	260	2 06	535 60	8
7783	Pick miners.....	2	40	1 00	40 00	8
7784	Pick miners.....	10	300	2 00	600 00	8
7784	Other inside labor.....	1	300	2 06	618 00	8
8118	Pick miners.....	9	280	1 50	420 00	8
8118	Driver.....	1	280	1 50	420 00	8
8127†	Pick miners.....	40	275	2 74	753 50	8
8127	Machine cutters.....	8	275	2 75	756 25	8
8127	Loaders.....	40	275	2 91	800 25	8
8127	Track layers.....	2	275	2 91	800 25	8
8127	Drivers.....	10	275	1 94	533 50	8
8127	Timbermen.....	2	275	2 00	550 00	8
8127	Pumper.....	1	275	1 85	508 75	8
8127	Trappers.....	4	275	94	258 50	8
8127	Other inside labor.....	13	275	1 94	533 50	8
8127	Engineer.....	1	275	2 30	632 50	8
8127	Fireman.....	1	275	2 00	550 00	8
8127	Weighmen.....	2	275	2 00	550 00	8
8127	Trimmers.....	3	275	1 94	533 50	8
8127	Carpenters.....	2	275	2 00	550 00	10
8127	Blacksmiths.....	2	275	2 25	618 75	8
8127	Hostler.....	1	257	1 66	456 50	8
8127	Other outside labor.....	32	275	1 94	533 50	8

*2 mines.

†6 mines.

TABLE IX₁₄—COAL MINING—MAHONING COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7788	Pick miners.....	52	240	\$3 23	\$775 20	8
7788	Track layers.....	3	240	2 56	614 40	8
7788	Drivers.....	5	240	2 56	614 40	8
7788	Engineer.....	1	240	2 56	614 40	8
7788	Weighman.....	1	240	2 56	614 40	8
7788	Dumper.....	1	240	1 91	458 40	8
7788	Trimmer.....	1	240	2 56	614 40	8
7788	Blacksmith.....	5	280	2 50	700 00	8
7789	Pick miners.....	1	280	2 40	672 00	8
7789	Driver.....	2	300	2 00	600 00	8
7790	Pick miners.....	7	300	2 56	768 00	8
7791	Pick miners.....	1	300	2 56	768 00	8
7791	Track layer.....	2	300	2 56	768 00	8
7791	Drivers.....	2	300	2 36	708 00	8
7791	Other inside labor.....	7	250	2 25	562 50	8
7792	Pick miners.....	5	276	1 52	419 52	8
7793	Driver.....	1	276	1 50	414 00	8
7794	Pick miners.....	3	150	2 00	300 00	8
7795	Pick miners.....	5	260	2 00	520 00	8
7797	Pick miners.....	37	273	2 75	760 75	8
7797	Track layers.....	2	273	2 56	698 88	8
7797	Drivers.....	4	273	2 74	747 32	8
7797	Pumper.....	1	273	2 00	546 00	8
7797	Cager.....	1	273	2 36	644 28	8
7797	Engineers.....	2	273	2 56	698 88	8
7797	Blacksmith.....	1	273	2 56	698 88	8
7797	Other outside labor.....	7	273	1 93	528 89	8
7798	Pick miners.....	4	230	2 25	517 50	8
7798	Driver.....	1	230	2 56	548 80	8
7799	Pick miners.....	2	150	2 00	300 00	8
7800	Pick miners.....	4	200	1 75	350 00	8
8194	Pick miners.....	5	206	2 50	515 00	8
8194	Driver.....	1	206	2 56	527 36	8
8194	Engineer.....	1	206	2 56	527 36	8

TABLE IX₁₅—COAL MINING—MEDINA COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7805	Pick miners.....	7	272	\$2 60	\$707 20	8
7805	Driver.....	1	272	2 56	696 32	8
7805	Other inside labor.....	1	272	2 56	696 32	8
7805	Engineer.....	1	272	2 65	720 80	8
7805	Weighman.....	1	272	2 00	544 00	8
7806	Pick miners.....	8	297	2 50	742 50	8
7806	Drivers.....	2	297	2 56	760 32	8
7806	Dumper.....	1	297	1 90	564 30	8
7807*	Pick miners.....	180	190	2 45	465 50	8
7807	Track layers.....	6	190	2 56	486 40	8
7808	Drivers.....	14	190	2 56	486 40	8
7807	Timbermen.....	2	190	2 56	486 40	8
7807	Pumpers.....	2	190	2 00	380 00	8
7807	Cagers.....	3	190	2 56	486 40	8
7807	Trappers.....	4	190	1 00	190 00	8
7807	Engineers.....	7	190	2 50	475 00	8
7807	Firemen.....	2	190	2 00	380 00	8
7807	Weighmen.....	4	190	2 00	380 00	8
7807	Dumpers.....	4	190	1 90	361 00	8
7807	Trimmers.....	2	190	2 00	380 00	8
7807	Blacksmiths.....	3	190	2 50	475 00	8
7807	Greasers.....	2	190	1 25	237 50	8
7807	Other outside labor.....	2	190	2 50	475 00	8
7809	Pick miners.....	5	240	1 66	398 40	8
7809	Driver.....	1	240	2 43	583 20	8
7809	Engineer.....	1	240	2 43	583 20	8
7810	Pick miners.....	7	218	2 50	545 00	8
7810	Driver.....	1	218	2 50	545 00	8
7811	Pick miners.....	277	260	2 23	579 80	8
7811	Track layers.....	2	260	2 56	665 60	8
7811	Drivers.....	4	260	2 56	665 60	8
7811	Trappers.....	2	260	1 13	293 80	8
7811	Engineers.....	3	260	2 31	600 60	8
7811	Dumper.....	1	260	2 00	520 00	8
7811	Trimmer.....	1	260	2 00	520 00	8
7811	Blacksmith.....	1	260	2 00	520 00	8

*4 mines.

TABLE IX:6—COAL MINING—MEIGS COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7817	Pick miners.....	118	300	\$2 00	\$600 00	8
7817	Track layer.....	1	300	2 00	600 00	8
7817	Drivers.....	14	300	1 76	528 00	8
7817	Pumper.....	1	300	1 76	528 00	8
7817	Trappers.....	3	300	80	240 00	8
7817	Other inside labor.....	2	300	1 76	528 00	8
7817	Engineer.....	1	300	2 25	675 00	9
7817	Fireman.....	1	300	1 50	450 00	9
7817	Weighman.....	1	300	1 35	405 00	9
7817	Dumpers.....	2	300	1 35	405 00	9
7817	Carpenter.....	1	300	2 00	600 00	8
7817	Blacksmith.....	1	300	2 00	600 00	8
7817	Hostler.....	1	300	1 50	450 00	8
7817	Other inside labor.....	17	300	1 35	405 00	8
7818	Pick miners.....	78	206	2 40	494 40	8
7818	Track layers.....	2	206	1 88	389 28	8
7818	Drivers.....	11	206	1 80	370 80	8
7818	Other inside labor.....	4	206	1 85	381 10	8
7818	Weighman.....	1	206	1 65	339 90	9
7818	Dumpers.....	2	206	1 45	298 70	9
7818	Trimmers.....	2	206	1 25	257 50	9
7818	Carpenter.....	1	206	2 00	412 00	9
7818	Blacksmith.....	1	206	2 00	412 00	9
7818	Greaser.....	1	206	65	133 90	9
7818	Hostler.....	1	365	1 25	456 25	9
7818	Other outside labor.....	18	206	1 45	298 70	9
7819	Pick miners.....	2	200	2 00	400 00	8
7820	Pick miners.....	6	200	3 00	600 00	8
7820	Driver.....	1	200	1 75	350 00	8
7820	Other outside labor.....	2	200	1 50	300 00	8
7821†	Pick miners.....	8	175	2 00	350 00	9
7821	Driver.....	1	175	1 25	218 75	9
7821	Other inside labor.....	1	175	1 00	175 00	9
7823	Pick miners.....	33	184	1 66	305 44	9
7823	Track layer.....	1	184	2 25	414 00	9
7823	Track layer.....	1	184	2 25	414 00	9
7823	Drivers.....	3	184	1 93	364 32	9
7823	Engineer.....	1	184	2 33	428 72	9
7823	Dumper.....	1	184	1 60	294 40	9
7823	Trimmer.....	1	184	1 70	312 80	9
7823	Blacksmith.....	1	184	2 25	414 00	10
7824	Pick miners.....	18	140	1 76	246 40	8
7824	Track layer.....	1	140	1 76	246 40	8
7824	Drivers.....	4	140	1 76	246 40	8
7824	Dumper.....	1	140	1 76	246 40	8
7824	Blacksmith.....	1	140	1 76	246 40	8
7825	Pick miners.....	6	150	1 50	225 00	8
7825	Drivers.....	1	150	1 50	225 00	8
7826	Pick miners.....	3	156	1 65	257 40	8
8199	Pick miners.....	80	190	2 50	475 00	8.5
8199	Loaders.....	5	190	1 87	355 30	8.5
8199	Track layers.....	3	190	2 12	392 80	8.5
8199	Drivers.....	12	190	1 87	355 30	8.5
8199	Pumpers.....	2	190	1 93	366 70	8.5
8199	Cager.....	1	190	1 95	370 50	8.5
8199	Trappers.....	2	190	75	142 50	8.5
8199	Engineers.....	2	190	1 75	332 50	10
8199	Weighman.....	1	190	1 40	266 00	8.5
8199	Dumpers.....	4	190	1 50	285 00	8.5
8199	Carpenters.....	3	190	2 25	427 50	9
8199	Blacksmiths.....	2	190	2 06	391 40	9
8199	Greaser.....	1	190	1 40	266 00	8.5
8199	Hostler.....	1	190	1 05	199 50	12
8199	Other outside labor.....	12	190	1 35	247 50	9
12202	Pick miners.....	36	228	3 00	684 00	9
12202	Track layer.....	1	228	2 00	456 00	9
12202	Drivers.....	7	228	1 75	399 00	9

†2 mines.

TABLE IX16—COAL MINING—MEIGS COUNTY—Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
12202	Trappers.....	3	228	\$ 75	\$171 00	9
12202	Weighman.....	1	228	2 00	456 00	9
12202	Dumpers.....	2	228	1 75	399 00	9
12202	Trimmer.....	1	228	1 75	399 00	9
12202	Carpenter.....	1	228	1 75	399 00	9
12202	Blacksmith.....	1	228	2 25	513 00	9
12202	Greaser.....	1	228	1 75	171 00	9
12202	Other outside labor.....	4	228	1 75	399 00	9
12203	Pick miners.....	35	140	1 76	246 40	8
12203	Drivers.....	4	140	1 76	246 40	8
12203	Other inside labor.....	2	140	1 76	246 40	8
12203	Dumpers.....	2	140	1 76	246 40	8
12203	Blacksmith.....	1	140	1 50	210 00	8
12204	Pick miners.....	50	100	1 76	176 00	8
12204	Track layer.....	1	100	1 76	176 00	8
12204	Drivers.....	8	100	1 76	176 00	8
12204	Pumper.....	1	100	1 76	176 00	8
12204	Trappers.....	2	100	1 75	75 00	8
12204	Other inside labor.....	2	100	1 76	176 00	8
12204	Weighman.....	1	100	2 00	200 00	9
12204	Dumper.....	1	100	1 40	140 00	9
12204	Trimmer.....	1	100	1 50	150 00	9
12204	Blacksmith.....	1	100	2 25	225 00	9
12204	Hostler.....	1	100	1 10	110 00	9
12204	Other outside labor.....	1	100	1 65	165 00	9
12207	Pick miners.....	22	141	3 10	442 10	8
12207	Track layer.....	1	141	2 00	282 00	8
12207	Drivers.....	4	141	1 76	248 16	8
12207	Pumper.....	1	141	1 76	248 16	8
12207	Other inside labor.....	1	141	1 76	248 16	8
12207	Dumpers.....	2	141	1 65	232 65	8
12207	Other outside labor.....	2	141	1 40	197 40	8

TABLE IX₁₇—COAL MINING—MORGAN COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7833	Pick miners.....	27	162	\$3 50	\$567 00	8
7833	Track layer.....	1	162	2 56	454 72	8
7833	Drivers.....	4	162	2 56	454 72	8
7833	Trappers.....	2	162	1 13	183 06	8
7833	Other inside labor.....	1	162	2 36	382 32	8
7833	Weighman.....	1	162	2 56	454 72	8
7833	Dumper.....	1	162	2 56	454 72	8
7833	Trimmer.....	1	162	2 56	454 72	8
7833	Blacksmith.....	1	162	2 56	454 72	8
12208	Machine cutters.....	11	166	3 70	614 20	8
12208	Loaders.....	44	166	3 70	614 20	8
12208	Track layers.....	2	166	2 66	441 56	8
12208	Drivers.....	6	166	2 56	424 96	8
12208	Trappers.....	2	166	1 13	182 58	8
12208	Other inside labor.....	5	166	2 36	382 32	8
12208	Engineers.....	2	166	3 40	550 80	8
12208	Fireman.....	1	166	2 36	382 32	8
12208	Weighman.....	1	166	2 60	421 20	8
12208	Trimmers.....	2	166	2 50	405 00	8
12208	Blacksmith.....	1	166	3 00	486 00	8
12208	Other outside labor.....	4	166	2 36	382 32	8

TABLE IX18—COAL MINING—MUSKINGUM COUNTY.

Schedule number.	Occupation.	Schedule number.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7836	Pick miners.....	5	300	\$2 00	\$600 00	8
7837	Pick miners.....	6	100	2 36	236 00	8
7839	Pick miners.....	2	230	2 20	506 00	8
7841	Pick miners.....	2	200	1 50	300 00	8
7842	Pick miners.....	2	234	3 34	781 56	8
7843	Pick miners.....	4	200	1 50	300 00	8
7844	Pick miners.....	3	84	2 80	235 20	8
7845	Pick miners.....	10	100	2 08	208 00	8
7845	Driver.....	1	100	2 56	256 00	8
7845	Dumper.....	1	100	2 56	256 00	8
7846	Pick miners.....	14	275	2 50	687 50	8
7846	Drivers.....	2	275	2 56	704 00	8
7846	Weighman.....	1	275	2 50	687 50	8
7846	Trimmer.....	1	275	2 36	649 00	8
7848	Pick miners.....	34	138	2 86	394 68	8
7848	Track layer.....	1	138	2 56	353 28	8
7848	Drivers.....	5	138	2 56	353 28	8
7848	Trapper.....	1	138	1 13	155 94	8
7848	Other outside labor.....	2	138	2 25	320 50	8
7849	Pick miners.....	2	140	1 40	196 00	8
7850	Pick miners.....	5	75	2 52	189 00	8
7851	Pick miners.....	2	250	2 50	625 00	8
7852	Pick miners.....	2	290	2 00	580 00	8
7854	Pick miners.....	2	200	2 00	400 00	8
7854	Driver.....	1	200	1 75	350 00	8
7855	Pick miners.....	3	275	2 75	756 25	8
7856	Pick miners.....	2	200	2 00	400 00	8
7857	Pick miners.....	2	240	1 80	432 00	8
7858	Pick miners.....	7	300	2 25	675 00	8
7858	Driver.....	1	300	1 90	570 00	8
7859	Pick miners.....	4	200	2 64	528 00	8
7859	Driver.....	1	200	1 50	300 00	11
7861	Pick miner.....	1	200	2 50	500 00	8
7861	Driver.....	1	200	1 50	300 00	8
7863	Pick miners.....	2	180	1 80	324 00	8
7864	Pick miners.....	4	261	1 60	417 60	8
7865	Pick miners.....	2	280	1 00	280 00	8
7866	Pick miners.....	4	240	2 50	600 00	8
7866	Driver.....	1	240	1 75	420 00	8
7867	Pick miners.....	22	150	2 00	300 00	8
7867	Drivers.....	5	150	2 56	384 00	8
7867	Weighman.....	1	150	1 50	225 00	8
7867	Dumper.....	1	150	1 50	225 00	8
7867	Trimmers.....	1	150	2 25	337 50	8
7867	Blacksmith.....	1	150	2 56	384 00	8
7868	Pick miners.....	5	312	2 00	624 00	8
7868	Driver.....	1	312	2 00	624 00	8
7868	Dumper.....	2	144	2 00	288 00	8
7869	Pick miners.....	5	235	1 75	404 25	8
7870	Pick miners.....	2	250	2 50	625 00	8
7871	Pick miners.....	3	200	1 50	300 00	8
7873	Pick miners.....	3	268	1 50	402 00	8
7874	Pick miners.....	4	250	2 00	500 00	8
7876	Pick miners.....	6	180	2 25	405 00	8
7877	Pick miners.....	1	180	1 25	225 00	8
7877	Driver.....	115	165	3 00	495 00	8
7878*	Pick miners.....	1	165	2 56	422 40	8
7878	Track layer.....	18	165	2 56	422 40	8
7878	Drivers.....	6	165	1 13	186 45	8
7878	Trappers.....	10	165	2 56	422 40	8
7878	Other inside labor.....	3	165	2 50	412 50	8
7878	Weighmen.....	3	165	2 36	389 40	8
7878	Dumpers.....	3	165	2 36	389 40	8
7878	Trimmers.....	3	165	2 81	463 65	8
7878	Blacksmiths.....	3	165	3 00	390 00	8
7879	Pick miners.....	28	130	3 00	390 00	8

*3 mines.

TABLE IX18—COAL MINING—MUSKINGUM COUNTY.

Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7879	Track layers.....	2	130	\$2 56	\$332 80	2
7879	Drivers.....	3	130	2 56	332 80	2
7879	Other inside labor.....	3	130	2 56	332 80	2
7879	Weighman.....	1	130	2 56	332 80	2
7879	Dumpers.....	2	130	2 56	332 80	2
7879	Trimmers.....	2	130	2 56	332 80	2
7879	Hostler.....	1	130	2 00	260 00	2
7881	Pick miners.....	6	275	2 25	618 75	2
8153	Pick miners.....	25	300	2 00	600 00	2
8153	Other inside labor.....	6	300	1 50	450 00	2
8153	Weighman.....	1	300	2 00	600 00	2
12210	Pick miners.....	35	180	2 50	450 00	2
12210	Track layer.....	1	180	2 35	423 00	2
12210	Drivers.....	4	180	2 35	423 00	2
12210	Trappers.....	2	180	1 13	203 40	2
12210	Weighman.....	1	180	2 25	405 00	2
12210	Dumper.....	1	180	1 10	198 00	2
12210	Trimmers.....	2	180	2 25	405 00	2
12210	Blacksmith.....	1	180	2 28	410 40	2

TABLE IX19—COAL MINING—NOBLE COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7885	Pick miners.....	2	133	\$ 1 75	\$ 99 75	2
7887	Pick miner.....	1	110	1 40	154 00	7
7888	Pick miner.....	1	80	1 00	80 00	2
7889	Pick miner.....	1	313	1 60	500 80	2
7890	Pick miner.....	1	98	1 50	147 00	2
7891	Pick miners.....	3	120	2 00	240 00	2
7894	Pick miners.....	3	200	2 00	400 00	2
7896	Pick miners.....	2	200	2 00	400 00	2
7897	Pick miner.....	1	225	1 50	337 50	2
7899	Pick miner.....	1	120	2 00	240 00	2
7900	Pick miners.....	3	141	1 50	211 50	2
7901	Pick miners.....	2	100	2 10	210 00	2
7902	Pick miners.....	2	80	1 80	144 00	2
7903	Pick miners.....	10	200	2 00	400 00	2

TABLE IX₂₀—COAL MINING—PERRY COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7543	Pick miners.....	56	136	\$3 90	\$530 40	8
7543	Track layers.....	2	136	2 56	348 16	8
7543	Drivers.....	6	136	2 56	348 16	8
7543	Timberman.....	1	136	2 56	348 16	8
7543	Trappers.....	2	136	1 13	153 68	8
7543	Other inside labor.....	4	136	2 36	320 96	8
7543	Weighman.....	1	136	2 36	320 96	8
7543	Dumper.....	1	136	1 75	238 00	8
7543	Trimmers.....	2	136	2 07	281 52	8
7543	Carpenter.....	1	136	2 56	348 16	8
7543	Blacksmith.....	1	136	2 75	374 00	8
7543	Other outside labor.....	3	136	1 75	238 00	8
7913	Machine cutters.....	14	125	3 65	456 25	8
7913	Loaders.....	130	125	2 50	312 50	8
7913	Track layers.....	2	125	2 56	320 00	8
7913	Drivers.....	12	125	2 56	320 00	8
7913	Timbermen.....	3	125	2 56	320 00	8
7913	Pumpers.....	2	125	2 00	250 00	8
7913	Cagers.....	5	125	2 56	320 00	8
7913	Trappers.....	6	125	1 13	141 25	8
7913	Other inside labor.....	10	125	2 36	295 00	8
7913	Engineers.....	3	125	2 81	351 25	8
7913	Firemen.....	3	125	2 36	295 00	8
7913	Weighman.....	1	125	2 00	250 00	8
7913	Dumpers.....	4	125	2 56	320 00	8
7913	Trimmers.....	5	125	2 36	295 00	8
7913	Carpenter.....	1	125	2 53	316 25	8
7913	Blacksmiths.....	3	125	2 81	351 25	8
7913	Greasers.....	2	125	1 68	209 00	8
7913	Hostler.....	1	125	1 83	228 75	8
7913	Other outside labor.....	4	125	2 47	308 75	8
7 913*	Machine cutters.....	12	122	4 00	488 00	8
7913*	Loaders.....	85	122	2 50	305 00	8
7913*	Track layers.....	4	122	2 56	312 32	8
7913*	Drivers.....	12	122	2 56	312 32	8
7913*	Timbermen.....	2	122	2 56	312 32	8
7913*	Pumpers.....	4	122	2 00	244 00	8
7913*	Trappers.....	4	122	1 13	137 86	8
7913*	Other inside labor.....	10	122	2 36	287 92	8
7913*	Engineers.....	3	122	2 81	342 82	8
7913*	Firemen.....	4	122	2 36	287 92	8
7913*	Weighman.....	1	122	2 00	244 00	8
7913*	Dumpers.....	3	122	2 56	312 32	8
7913*	Trimmers.....	5	122	2 36	287 92	8
7913*	Carpenters.....	2	122	2 53	308 66	8
7913*	Blacksmith.....	1	122	2 81	342 82	8
9713	Greaser.....	1	122	1 68	204 96	8
7913	Hostler.....	1	122	2 00	244 00	8
7913	Other outside labor.....	5	122	2 42	295 24	8
7914*	Pick miners.....	36	158	4 00	632 00	8
7914	Machine cutters.....	54	158	5 00	790 00	8
7914	Loaders.....	644	158	3 00	474 00	8
7914	Track layers.....	12	158	2 56	404 48	8
7914	Drivers.....	58	158	2 56	404 48	8
7914	Timbermen.....	2	158	2 56	404 48	8
7914	Pumpers.....	7	158	2 36	372 88	8
7914	Cagers.....	14	158	2 56	404 48	8
7914	Trappers.....	25	158	1 13	178 54	8
7914	Other inside labor.....	26	158	2 56	404 48	8
7914	Engineers.....	8	158	2 81	443 98	10
7914	Firemen.....	7	158	2 36	372 88	10
7914	Weighmen.....	4	158	2 75	434 50	8
7914	Dumpers.....	8	158	2 36	372 88	8
7914	Trimmers.....	23	158	2 36	372 88	8
7914	Carpenters.....	6	158	2 81	443 98	8
7914	Blacksmiths.....	13	158	3 00	474 00	8
7914	Greasers.....	8	158	1 41	222 78	8

*3 mines.

TABLE IX₂₀—COAL MINING—PERRY COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7914	Hostlers.....	4	158	\$2 00	\$316 00	8
7914	Other outside labor.....	22	158	2 36	372 88	8
7915	Pick miners.....	15	190	2 59	492 10	8
7915	Drivers.....	2	190	2 56	486 40	8
7915	Pumpers.....	2	190	2 56	486 40	8
7915	Other outside labor.....	8	190	2 36	448 40	8
7916	Machine cutters.....	4	189	2 63	497 07	8
7916	Loaders.....	74	189	2 87	542 43	8
7916	Track layer.....	1	189	2 56	483 84	8
7916	Drivers.....	5	189	2 56	483 84	8
7916	Trappers.....	3	189	1 03	194 67	8
7916	Engineer.....	1	189	2 81	531 09	8
7916	Weighman.....	1	189	2 36	446 04	8
7916	Dumper.....	1	189	2 36	446 04	8
7916	Trimmers.....	3	189	2 36	446 04	8
7916	Carpenter.....	1	189	2 53	478 17	8
7916	Blacksmith.....	1	189	3 00	567 00	8
7916	Other outside labor.....	4	189	2 36	446 04	8
7917	Machine cutters.....	6	131	4 00	524 00	8
7917	Loaders.....	80	131	2 50	327 50	8
7917	Track layers.....	2	131	2 56	335 36	8
7917	Drivers.....	7	131	2 56	335 36	8
7917	Timbermen.....	4	131	2 56	335 36	8
7917	Pumpers.....	2	131	2 00	262 00	8
7917	Trappers.....	4	131	1 13	148 03	8
7917	Other inside labor.....	3	131	2 36	309 16	8
7917	Engineers.....	2	131	2 81	368 11	8
7917	Firemen.....	2	131	2 36	309 16	8
7917	Weighman.....	1	131	2 00	262 00	8
7917	Dumpers.....	2	131	2 36	309 16	8
7917	Trimmers.....	3	131	2 26	296 06	8
7917	Carpenter.....	1	131	2 53	331 43	8
7917	Blacksmith.....	1	131	2 81	368 11	8
7917	Greaser.....	1	131	1 68	220 08	8
7917	Hostler.....	1	131	2 00	262 00	8
7918†	Pick miners.....	23	200	2 50	500 00	8
7918	Machine cutters.....	28	200	3 00	600 00	8
7918	Loaders.....	160	200	2 00	400 00	8
7918	Track layers.....	5	200	2 56	512 00	8
7918	Drivers.....	15	200	2 56	512 00	8
7918	Pumpers.....	2	200	2 56	512 00	8
7918	Trappers.....	9	200	1 13	226 00	8
7918	Other inside labor.....	3	200	2 08	416 00	8
7918	Engineers.....	4	200	2 70	540 00	10
7918	Weighmen.....	4	200	2 75	550 00	8
7918	Dumpers.....	4	200	2 26	452 00	8
7918	Trimmers.....	6	200	2 36	472 00	8
7918	Blacksmiths.....	7	200	2 70	540 00	8
7918	Other outside labor.....	4	200	3 09	618 00	8
7920	Pick miners.....	7	232	4 95	1,148 40	8
7920	Driver.....	1	232	2 62	607 84	8
7921	Pick miners.....	2	160	1 75	280 00	9
7922	Pick miner.....	1	150	1 33	199 50	8
7923	Pick miner.....	1	120	1 25	150 00	8
7924	Pick miners.....	2	120	2 00	240 00	8
7925	Pick miners.....	2	100	1 50	150 00	8
7926	Pick miners.....	20	100	3 48	348 00	8
7926	Drivers.....	3	100	2 56	256 00	8
7926	Trimmer.....	1	100	2 56	256 00	8
7927‡	Machine cutters.....	14	197	4 07	801 79	8
7927‡	Loaders.....	74	197	2 90	571 30	8
7927‡	Track layers.....	3	197	2 56	504 32	8
7927‡	Drivers.....	9	197	2 56	504 32	8
7927‡	Pumper.....	1	197	2 36	464 92	8
7927‡	Trappers.....	7	197	1 13	222 61	8
7927‡	Other inside labor.....	10	197	2 43	478 71	8

†4 mines.

TABLE IX₂₀—COAL MINING—PERRY COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7927†	Engineers.....	2	197	\$2 46	\$484 62	8
7927	Weighman.....	1	197	1 87	368 39	8
7927	Trimmers.....	3	197	3 38	464 02	8
7927	Blacksmiths.....	2	197	2 70	531 90	8
7927	Hostlers.....	1	197	1 18	228 52	8
7927	Other outside labor.....	6	197	2 36	464 02	8
7928	Pick miners.....	4	310	1 50	465 00	8
7928	Drivers.....	2	310	1 50	465 00	8
7930	Pick miners.....	5	212	2 75	583 00	8
7930	Driver.....	1	212	2 75	583 00	8
7932	Pick miners.....	15	108	3 02	326 16	8
7932	Machine cutters.....	15	108	5 39	582 12	8
7932	Loaders.....	133	108	3 03	327 24	8
7932	Track layers.....	4	108	2 56	276 48	8
7932	Drivers.....	16	108	2 56	276 48	8
7932	Pumpers.....	6	108	2 02	218 16	8
7932	Trappers.....	6	108	1 13	122 04	8
7932	Other inside labor.....	10	108	2 36	254 88	8
7932	Engineers.....	3	108	3 09	333 72	8
7932	Firemen.....	3	108	2 36	254 88	8
7932	Weighman.....	1	108	2 25	243 00	8
7932	Dumpers.....	3	108	2 36	254 88	8
7932	Trimmers.....	6	108	2 36	254 88	8
7932	Carpenters.....	2	108	3 09	333 72	8
7932	Blacksmiths.....	2	108	3 09	333 72	8
7932	Greasers.....	7	108	1 68	181 44	8
7932	Hostlers.....	2	108	1 96	211 68	8
7932	Other outside labor.....	2	108	2 02	218 16	8
7933	Pick miners.....	35	143	3 50	500 50	8
7933	Machine cutters.....	30	143	4 25	607 75	8
7933	Loaders.....	294	143	3 00	429 00	8
7933	Track layers.....	6	143	2 56	366 08	8
7933	Drivers.....	29	143	2 56	366 08	8
7933	Timbermen.....	2	143	2 56	366 08	8
7933	Pumpers.....	4	143	2 36	337 48	8
7933	Cagers.....	7	143	2 56	366 08	8
7933	Trappers.....	13	143	1 13	161 59	8
7933	Other inside labor.....	12	143	2 56	366 08	8
7933	Engineers.....	3	143	2 81	401 83	10
7933	Firemen.....	3	143	2 36	337 48	8
7933	Weighmen.....	2	143	2 75	393 25	8
7933	Dumpers.....	4	143	2 36	337 48	8
7933	Trimmers.....	12	143	2 36	337 48	8
7933	Carpenters.....	3	143	2 81	401 83	8
7933	Blacksmiths.....	6	143	3 00	429 00	8
7933	Greasers.....	4	143	1 41	201 63	8
7933	Hostlers.....	2	143	2 00	286 00	8
7933	Other outside labor.....	10	143	2 36	337 48	8
7935†	Machine cutters.....	18	92	4 50	414 00	8
7935	Loaders.....	105	92	3 50	422 00	8
7935	Track layers.....	3	92	2 56	35 62	8
7935	Drivers.....	14	92	2 56	35 62	8
7935	Cager.....	1	92	2 56	35 62	8
7935	Trappers.....	9	92	1 13	103 96	8
7935	Other inside labor.....	6	92	2 56	235 62	8
7935	Engineers.....	4	92	2 35	216 20	8
7935	Firemen.....	3	92	2 36	217 12	8
7935	Weighmen.....	2	92	2 56	235 62	8
7935	Dumpers.....	4	92	2 56	235 62	8
7935	Trimmers.....	5	92	2 36	217 12	8
7935	Carpenter.....	1	92	2 25	207 00	8
7935	Blacksmiths.....	3	92	2 75	253 00	8
7935	Greasers.....	2	92	1 25	115 00	8
7935	Hostlers.....	2	92	2 00	184 00	8
7935	Other outside labor.....	10	92	2 36	217 12	8
7936	Track layer.....	1	275	2 00	550 00	8

† 2 mines

TABLE IX₂₀—COAL MINING—PERRY COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average hours of daily labor, 1903.	Average hours of daily labor.
7936	Timberman.....	1	275	\$2 00	\$550 00	8
7937	Pick miners.....	22	165	22 00	330 00	8
7937	Track layer.....	1	165	22 45	404 25	8
7937	Drivers.....	4	165	1 35	222 75	8
7937	Trapper.....	1	165	59	97 35	8
7937	Weighman.....	1	165	1 58	260 70	8
7937	Trimmer.....	1	165	77	127 05	8
7938	Machine cutters.....	20	200	3 50	700 00	8
7938	Loaders.....	175	200	4 00	800 00	8
7938	Track layers.....	3	200	2 56	512 00	8
7938	Drivers.....	10	200	2 56	512 00	8
7938	Timbermen.....	4	200	2 56	512 00	8
7938	Pumper.....	1	200	2 36	472 00	8
7938	Trappers.....	5	200	1 13	226 00	8
7938	Other inside labor.....	7	200	2 36	472 00	8
7938	Engineers.....	2	200	2 25	450 00	8
7938	Weighman.....	1	200	1 83	366 00	8
7938	Dumpers.....	2	200	2 36	472 00	8
7938	Trimmers.....	4	200	2 36	472 00	8
7938	Carpenter.....	1	200	2 00	400 00	8
7938	Blacksmiths.....	3	200	3 50	700 00	8
7938	Hostler.....	1	200	1 68	332 00	8
7 938	Other outside labor.....	12	200	2 36	472 00	8
7939	Machine cutters.....	10	50	3 60	180 00	8
7939+	Loaders.....	58	50	2 50	125 00	8
7939+	Track layers.....	2	50	2 56	128 00	8
7939+	Drivers.....	6	50	2 56	128 00	8
7739+	Timberman.....	1	50	2 00	100 00	8
7939+	Cagers.....	3	50	1 13	56 50	8
7939+	Trappers.....	3	50	2 36	118 00	8
7939+	Other inside labor.....	3	50	2 81	140 50	8
7939+	Engineer.....	1	50	2 36	118 00	8
7939+	Fireman.....	1	50	2 00	100 00	8
7939+	Weighman.....	2	50	2 36	118 00	8
7939+	Dumpers.....	2	50	2 36	118 00	8
7939+	Carpenters.....	2	50	2 81	140 50	8
7939+	Blacksmith.....	1	50	1 68	84 00	8
7939+	Greaser.....	1	50	2 00	100 00	8
7940	Pick miners.....	114	180	3 00	540 00	8
7940	Track layers.....	2	180	2 75	495 00	8
7940	Drivers.....	10	180	2 56	460 80	8
7940	Timbermen.....	4	180	2 56	460 80	8
7940	Pumpers.....	3	180	2 25	405 00	8
7940	Trappers.....	6	180	1 13	203 40	8
7940	Engineer.....	1	180	3 04	547 20	10
7940	Fireman.....	1	180	2 36	424 80	8
7940	Weighman.....	1	180	2 53	455 40	8
7940	Dumper.....	1	180	2 36	424 80	8
7940	Trimmers.....	4	180	2 36	424 80	8
7940	Carpenter.....	1	180	2 36	424 80	8
7940	Blacksmith.....	1	180	2 75	495 00	8
7940	Greaser.....	1	180	1 75	315 00	8
7940	Hostler.....	1	180	1 50	270 00	10
7940	Other outside labor.....	2	180	2 36	424 80	8
7940+	Machine cutters.....	10	53	3 50	185 50	8
7940+	Loaders.....	48	53	2 50	132 50	8
7940+	Track layers.....	2	53	2 56	135 68	8
7940+	Drivers.....	8	53	2 56	135 68	8
7940+	Timbermen.....	2	53	2 56	135 68	8
7940+	Pumper.....	1	53	2 00	106 00	8
7940+	Cagers.....	2	53	2 56	135 68	8
7940+	Trappers.....	3	53	1 13	59 89	8
7940+	Other inside labor.....	3	53	2 36	125 08	8
7940+	Engineers.....	2	53	2 81	148 93	8
7940+	Fireman.....	2	53	2 36	125 08	8
7940+	Weighman.....	1	53	2 00	106 00	8
7940+	Dumper.....	1	53	2 00	106 00	8
7940+	Trimmers.....	2	53	2 36	125 08	8

TABLE IX₂₀—COAL MINING—PERRY COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7940 ¹	Blacksmith.....	1	53	\$2 81	\$148 93	8
7940 ¹	Greaser.....	1	53	1 68	89 04	8
7940 ¹	Hostler.....	1	53	2 00	102 00	8
7941	Pick miners.....	70	150	2 80	420 00	8
7941	Track layers.....	2	150	2 56	384 00	8
7941	Drivers.....	8	150	2 56	384 00	8
7941	Pumpers.....	1	150	2 36	354 00	8
7941	Trapper.....	1	150	1 13	169 50	8
7941	Engineers.....	2	150	2 75	412 50	8
7941	Fireman.....	1	150	2 36	354 00	8
7941	Weighman.....	1	150	2 50	375 00	8
7941	Dumper.....	1	150	2 36	354 00	8
7941	Trimmers.....	3	150	2 36	354 00	8
7941	Blacksmiths.....	2	150	2 81	421 50	8
7941	Hostler.....	1	150	2 25	337 50	8
7941	Other outside labor.....	3	150	2 36	354 00	8
7941 ¹	Machine cutters.....	8	182	4 85	882 70	8
7941 ¹	Loaders.....	70	182	3 49	635 18	8
7941 ¹	Track layer.....	1	182	2 56	465 92	8
7941 ¹	Drivers.....	6	182	2 56	465 92	8
7941 ¹	Timberman.....	1	182	2 56	465 92	8
7941 ¹	Trapper.....	1	182	1 13	205 66	8
7941 ¹	Other inside labor.....	3	182	2 57	467 74	8
7941 ¹	Engineer.....	1	182	3 00	546 00	8
7941 ¹	Fireman.....	1	182	2 36	429 52	8
7941 ¹	Weighman.....	1	182	2 25	409 50	8
7941 ¹	Dumper.....	1	182	2 36	429 52	8
7941 ¹	Trimmers.....	2	182	2 36	429 52	8
7941 ¹	Blacksmith.....	1	182	2 80	509 60	8
7941 ¹	Greaser.....	1	182	1 41	256 62	8
7941 ¹	Other outside labor.....	2	182	2 50	455 00	8
7942	Pick miners.....	23	140	2 20	308 00	8
7942	Track layer.....	1	140	2 56	358 40	8
7942	Drivers.....	3	140	2 56	358 40	8
7942	Trapper.....	1	140	1 00	140 00	8
7942	Dumper.....	1	140	2 36	330 40	8
7942	Trimmer.....	1	140	2 36	330 40	8
7942 ¹	Machine cutters.....	8	157	4 00	628 00	8
7942 ¹	Loaders.....	60	157	2 50	392 50	8
7942 ¹	Track layers.....	2	157	2 56	401 92	8
7942 ¹	Drivers.....	9	157	2 56	401 92	8
7942 ¹	Timbermen.....	4	157	2 56	401 92	8
7942 ¹	Pumpers.....	2	157	2 00	314 00	8
7942 ¹	Trappers.....	4	157	1 13	177 41	8
7942 ¹	Other inside labor.....	4	157	2 36	370 52	8
7942 ¹	Engineers.....	2	157	2 81	441 17	8
7942 ¹	Firemen.....	3	157	2 36	370 52	8
7942 ¹	Weighman.....	1	157	2 00	314 00	8
7942 ¹	Dumpers.....	2	157	2 36	370 52	8
7942 ¹	Trimmers.....	3	157	2 36	370 52	8
7942 ¹	Carpenter.....	1	157	2 53	397 21	8
7942 ¹	Blacksmith.....	1	157	2 81	441 17	8
7942 ¹	Greaser.....	1	157	1 68	263 76	8
7942 ¹	Hostler.....	1	157	2 00	314 00	8
7943	Machine cutters.....	3	150	3 00	450 00	8
7943	Loaders.....	60	150	2 50	375 00	8
7943	Track layer.....	1	150	2 56	384 00	8
7943	Drivers.....	8	150	2 56	384 00	8
7943	Cager.....	1	150	2 56	384 00	8
7943	Trappers.....	3	150	1 13	169 50	8
7943	Other inside labor.....	3	150	2 56	384 00	8
7943	Engineer.....	1	150	2 75	412 50	8
7943	Fireman.....	1	150	2 36	354 00	8
7943	Weighman.....	1	150	2 50	375 00	8
7943	Dumper.....	1	150	2 36	354 00	8
7943	Trimmers.....	3	150	2 36	354 00	8
7943	Blacksmith.....	1	150	2 81	421 50	8
7943	Hostler.....	1	150	2 25	337 50	8

TABLE IX₂₀—COAL MINING—PERRY COUNTY—Continued.

Schedule number.	Occupation.	Schedule number.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
79433	Machine cutters.....	16	185	\$4 70	\$869 50	8
79433	Loaders.....	160	185	2 60	481 00	8
79433	Track layers.....	4	185	2 56	473 60	8
79433	Drivers.....	12	185	2 56	473 60	8
79433	Timbermen.....	4	185	2 56	473 60	8
79433	Pumpers.....	2	185	1 97	364 45	8
79433	Cagers.....	3	185	2 56	473 60	8
79433	Trappers.....	6	185	1 13	209 05	8
79433	Other inside labor.....	5	185	2 36	436 60	8
79433	Engineers.....	2	185	2 81	519 85	8
79433	Firemen.....	3	185	2 36	436 60	8
79433	Weighman.....	1	185	2 00	370 00	8
79433	Dumpers.....	3	185	2 36	436 60	8
79433	Trimmers.....	6	185	2 36	436 60	8
79433	Carpenters.....	2	185	2 53	468 05	8
79433	Blacksmiths.....	2	185	2 81	519 85	8
79433	Greasers.....	1	185	1 68	310 80	8
79433	Hostler.....	3	185	2 00	370 00	8
79433	Other outside labor.....	30	185	45 46	455 10	8
7944	Pick miners.....	4	121	5 00	605 00	8
7944	Machine cutters.....	30	121	5 00	605 00	8
7944	Loaders.....	1	122	2 56	309 76	8
7944	Track layer.....	4	121	2 56	309 76	8
7944	Drivers.....	1	121	2 56	309 76	8
7944	Pumper.....	2	121	1 13	136 73	8
7944	Trappers.....	2	121	2 36	285 56	8
7944	Other inside labor.....	2	121	2 56	309 76	8
7944	Engineers.....	1	121	2 36	285 56	8
7944	Fireman.....	1	121	2 56	309 76	8
7944	Weighman.....	1	121	2 56	309 76	8
7944	Dumper.....	1	121	2 56	309 76	8
7944	Trimmers.....	3	121	2 56	309 76	8
7944	Carpenter.....	1	121	2 56	309 76	8
7944	Blacksmith.....	1	121	2 81	340 01	8
7944	Greaser.....	1	121	1 41	170 61	8
7944	Hostler.....	1	121	2 00	242 00	8
7944	Other outside labor.....	3	121	2 36	285 56	8
7946	Pick miners.....	18	125	3 20	400 00	8
7946	Drivers.....	3	125	2 56	320 00	8
7946	Weighman.....	1	125	2 56	320 00	8
7946	Dumper.....	1	125	2 36	295 00	8
7946	Trimmer.....	1	125	2 36	295 00	8
7946	Hostler.....	1	125	2 00	250 00	8
7948	Pick miners.....	6	150	2 14	321 00	8
7948	Drivers.....	1	150	2 14	321 00	8
12216	Pick miners.....	48	205	3 00	615 00	8
12216	Track layer.....	1	205	2 56	524 80	8
12216	Drivers.....	4	205	2 56	524 80	8
12216	Other inside labor.....	5	205	2 56	524 80	8
12216	Weighman.....	1	205	2 56	524 80	8
12216	Dumpers.....	2	205	2 56	524 80	8
12216	Trimmers.....	1	205	2 56	524 80	8
12216	Hostler.....	23	140	2 20	308 00	8
12217	Pick miners.....	1	140	2 56	358 40	8
12217	Track layer.....	3	140	2 56	358 40	8
12217	Drivers.....	1	140	1 00	140 00	8
12217	Trapper.....	1	140	2 36	330 40	8
12217	Dumper.....	1	140	2 36	330 40	8
12217	Trimmer.....	1	140	2 36	330 40	8
12218	Pick miners.....	22	156	4 65	724 40	8
12218	Drivers.....	2	156	2 75	429 00	8
12218	Trimmer.....	1	156	2 75	429 00	8
12219	Machine cutters.....	6	200	3 25	650 00	8
12219	Loaders.....	30	200	2 25	450 00	8
12219	Track layer.....	1	200	2 56	512 00	8
12219	Drivers.....	4	200	2 56	512 00	8
12219	Engineer.....	1	200	2 80	560 00	8
12219	Weighman.....	1	200	2 20	440 00	8

TABLE IX₂₀—COAL MINING—PERRY COUNTY—Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
12219	Dumper.....	1	200	\$2 36	\$472 00	8
12219	Trimmer.....	1	200	2 36	472 00	8
12219	Blacksmith.....	1	200	3 00	600 00	8
12220†	Machine cutters.....	20	341	3 00	1,023 00	8
12220	Loaders.....	145	341	2 25	767 25	8
12220	Track layers.....	4	341	2 42	825 22	8
12220	Drivers.....	3	341	2 50	852 50	8
12220	Timbermen.....	10	341	2 36	804 76	8
12220	Pumpers.....	3	341	2 28	777 48	8
12220	Cagers.....	4	341	2 50	852 50	8
12220	Trappers.....	3	341	1 10	375 10	8
12220	Other inside labor.....	32	341	2 00	682 00	8
12220	Engineers.....	4	341	2 35	801 35	8
12220	Firemen.....	4	341	2 30	784 30	8
12220	Weighman.....	1	341	1 90	647 90	8
12220	Dumpers.....	2	341	2 00	682 00	8
12220	Trimmers.....	3	341	2 05	699 05	8
12220	Carpenters.....	8	341	2 40	818 40	8
12220	Blacksmiths.....	4	341	2 56	872 96	8
12220	Other outside labor.....	14	341	1 80	613 80	8
12221	Pick miners.....	5	170	2 92	496 40	8
12221	Machine cutters.....	6	170	4 26	724 20	8
12221	Loaders.....	40	170	3 06	320 20	8
12221	Track layers.....	2	170	2 46	418 20	8
12221	Drivers.....	4	170	2 44	414 80	8
12221	Timbermen.....	2	170	2 42	411 40	8
12221	Pumpers.....	2	170	2 29	389 30	8
12221	Cager.....	1	170	2 44	414 80	8
12221	Trappers.....	2	170	1 00	185 30	8
12221	Other inside labor.....	12	170	2 52	428 40	8
12221	Engineers.....	3	170	2 44	414 80	12
12221	Firemen.....	2	170	2 19	372 30	12
12221	Weighman.....	1	170	1 77	300 90	8
12221	Dumper.....	1	170	2 29	389 30	8
12221	Trimmers.....	1	170	2 29	389 30	8
12221	Blacksmiths.....	2	170	2 86	486 20	8
12221	Hostler.....	1	170	1 33	226 10	8
12221	Other outside labor.....	2	170	2 29	389 30	8

†2 mines

TABLE IX₂₁—COAL MINING—PORTAGE COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7953*	Pick miners.....	120	185	\$2 00	\$370 00	2
7953	Track layers.....	10	185	2 50	462 50	2
7953	Drivers.....	10	185	2 56	473 60	2
7953	Cagers.....	3	185	1 75	323 75	2
7953	Trappers.....	3	185	1 50	277 50	2
7953	Other inside labor.....	3	185	1 50	277 50	2
7953	Engineers.....	5	185	2 55	471 75	2
7953	Firemen.....	2	185	2 40	444 00	2
7953	Weighman.....	2	185	2 50	462 50	2
7953	Dumpers.....	3	185	2 40	444 00	2
7953	Trimmers.....	2	185	2 40	444 00	2
7953	Carpenters.....	2	185	2 70	499 50	2
7953	Blacksmiths.....	3	185	2 90	536 50	2
7953	Other outside labor.....	5	185	1 75	323 75	2

*2 mines.

TABLE IX₂₂—COAL MINING—SCIOTO COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily 1903.
7956*	Pick miners.....	16	186	\$2 57	\$478 02	2
7956	Track layer.....	1	186	2 31	429 66	2
7956	Drivers.....	2	186	2 06	383 16	2
7956	Other inside labor.....	2	186	2 06	383 16	2
7956	Weighman.....	1	186	2 06	383 16	2
7956	Dumpers.....	2	186	2 06	383 16	2
7956	Trimmer.....	1	186	2 06	383 16	2
7956	Blacksmith.....	1	186	2 06	383 16	2
7956	Other outside labor.....	2	186	2 06	383 16	2
7957	Pick miners.....	2	120	1 10	152 10	9

*2 mines.

TABLE IX₂₃—COAL MINING—STARK COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7962	Pick miners.....	36	363	\$2 38	\$863 94	x
7962	Track layer.....	1	363	2 75	998 25	x
7962	Drivers.....	6	363	2 36	856 68	x
7962	Timberman.....	1	363	2 36	856 68	x
7962	Pumper.....	1	363	2 25	816 75	x
7962	Trappers.....	2	363	1 05	381 15	x
7962	Other inside labor.....	4	363	2 10	762 30	x
7962	Engineer.....	1	363	2 56	929 28	x
7962	Weighman.....	1	363	2 40	871 20	x
7962	Dumper.....	1	363	1 90	689 70	x
7962	Trimmers.....	3	363	1 60	580 80	x
7962	Blacksmith.....	1	363	2 50	907 50	x
7962	Other outside labor.....	2	363	2 10	762 30	x
7964*	Pick miners.....	25	197	2 40	472 80	x
7964	Track layer.....	1	197	2 56	504 32	x
7964	Drivers.....	2	197	2 56	504 32	x
7964	Pumper.....	1	197	2 56	504 32	x
7964	Cager.....	1	197	2 56	504 32	x
7964	Engineer.....	1	197	2 50	492 50	x
7964	Fireman.....	1	197	2 00	394 00	x
7964	Weighman.....	1	197	2 50	492 50	x
7964	Dumper.....	1	197	2 00	394 00	x
7964	Blacksmith.....	1	197	2 50	492 50	x
7965	Pick miners.....	104	113	3 34	377 42	x
7965	Machine cutters.....	9	113	3 35	378 58	x
7965	Loaders.....	15	113	3 40	384 20	x
7965	Track layers.....	2	113	2 56	289 28	x
7965	Drivers.....	5	113	2 56	289 28	x
7965	Pumper.....	1	113	1 75	197 75	x
7965	Cager.....	2	113	2 56	289 28	x
7965	Engineers.....	3	113	2 32	262 16	x
7965	Fireman.....	1	113	2 00	226 00	x
7965	Weighman.....	1	113	2 50	282 50	x
7965	Dumper.....	1	113	2 00	226 00	x
7965	Trimmers.....	2	113	1 95	220 35	x
7965	Blacksmith.....	1	113	2 82	318 66	x
7965	Greaser.....	1	113	1 82	205 66	x
7965	Hostler.....	1	113	2 00	226 00	x
7965	Other outside labor.....	2	113	1 82	205 66	x
7967	Pick miners.....	2	300	2 00	600 00	x
7968	Pick miners.....	10	250	2 50	625 00	x
7968	Driver.....	1	250	2 10	525 00	x
7969	Pick miners.....	4	305	2 00	610 00	x
7970	Pick miners.....	2	300	1 60	480 00	x
7971	Pick miners.....	10	330	2 00	660 00	x
7971	Engineer.....	1	330	1 50	495 00	12
7972	Pick miners.....	2	300	2 00	600 00	x
7973	Pick miners.....	8	200	2 00	400 00	x
7975	Pick miners.....	5	164	2 00	328 00	x
7976	Pick miners.....	4	170	1 95	331 50	x
7978	Pick miners.....	3	150	1 80	270 00	x
7979	Pick miner.....	1	90	1 50	135 00	x
7980	Pick miners.....	3	160	2 00	320 00	x
7981	Pick miners.....	2	135	2 00	270 00	x
7982	Pick miners.....	33	140	3 84	537 60	x
7982	Track layer.....	1	140	2 56	358 40	x
7982	Drivers.....	4	140	2 56	358 40	x
7982	Pumpers.....	2	140	2 36	330 40	x
7982	Trappers.....	3	140	1 13	158 20	x
7982	Other inside labor.....	2	140	2 36	330 40	x
7982	Engineers.....	3	140	2 32	324 80	x
7982	Dumpers.....	2	140	2 00	280 00	x
7982	Trimmer.....	1	140	2 00	280 00	x
7982	Carpenter.....	1	140	2 50	350 00	x
7982	Blacksmith.....	1	140	2 53	354 20	x
7982	Other outside labor.....	3	140	1 82	254 80	x

*2 mines.

TABLE IX₂₃—COAL MINING—STARK COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7983†	Pick miners.....	850	190	\$3 00	\$ 570 00	8
7983	Machine cutters.....	10	190	33 00	570 00	8
7983	Loaders.....	100	190	33 00	570 00	8
7983	Tract layers.....	30	190	28 56	486 40	8
7983	Drivers.....	80	190	28 56	486 40	8
7983	Pumpers.....	30	190	28 36	448 40	8
7983	Cagers.....	15	190	28 36	448 40	8
7983	Trappers.....	40	190	1 13	214 70	8
7983	Other inside labor.....	32	190	28 36	448 40	8
7983	Engineers.....	40	190	28 32	440 80	8
7983	Firemen.....	15	190	28 00	380 00	8
7983	Weighmen.....	15	190	28 00	380 00	8
7983	Dumpers.....	20	190	28 00	380 00	8
7983	Trimmers.....	40	190	21 90	361 00	8
7983	Carpenters.....	2	190	2 25	427 50	8
7983	Blacksmiths.....	15	190	2 53	480 70	8
7983	Greasers.....	10	190	2 00	380 00	8
7984	Pick miners.....	35	171	3 03	513 13	8
7984	Track layer.....	1	171	2 56	437 76	8
7984	Drivers.....	4	171	2 56	437 76	8
7984	Pumpers.....	2	171	2 56	437 76	8
7984	Cager.....	1	171	2 56	437 76	8
7984	Trappers.....	3	171	1 13	193 23	8
7984	Engineers.....	3	171	2 30	393 30	8
7984	Fireman.....	1	171	2 00	342 00	8
7984	Weighman.....	1	171	2 00	342 00	8
7984	Dumper.....	1	171	2 00	342 00	8
7984	Trimmer.....	1	171	2 00	342 00	8
7984	Blacksmith.....	1	171	2 80	478 80	8
7984	Other outside labor.....	1	171	2 00	342 00	8
7986	Pick miners.....	32	220	2 50	550 00	8
7986	Other inside labor.....	7	220	2 46	541 20	8
7987	Driver.....	1	240	2 00	480 00	7
7987	Weighman.....	1	240	1 00	240 00	7
7988	Pick miners.....	3	320	2 00	640 00	8
7989	Pick miner.....	1	200	2 50	500 00	8
7990	Pick miner.....	1	60	2 00	120 00	8
7991	Pick miners.....	3	195	2 00	390 00	8
7992	Pick miners.....	2	150	1 75	262 50	6
7993	Pick miners.....	51	142	2 50	355 00	8
7993	Track layer.....	1	142	2 56	363 52	8
7993	Drivers.....	4	142	2 56	363 52	8
7993	Cager.....	1	142	2 56	363 52	8
7993	Trappers.....	3	142	1 13	160 46	8
7993	Engineers.....	3	142	2 55	362 10	8
7993	Fireman.....	1	142	2 00	284 00	8
7993	Weighman.....	1	142	2 00	284 00	9
7993	Dumper.....	1	142	2 00	284 00	8
7993	Trimmers.....	2	142	2 00	284 00	8
7993	Blacksmith.....	1	142	2 81	399 02	8
7994	Pick miners.....	35	52	2 50	130 00	8
7994	Track layer.....	1	52	2 56	132 12	8
7994	Driver.....	1	52	2 56	132 12	8
7994	Cager.....	1	52	2 56	132 12	8
7994	Trapper.....	1	52	1 13	68 76	8
7994	Engineers.....	3	52	2 55	132 60	8
7994	Weighman.....	1	52	2 00	104 00	9
7994	Dumper.....	1	52	2 00	104 00	8
7994	Trimmer.....	1	52	2 00	104 00	8
7994	Blacksmith.....	1	52	2 81	146 12	8
7995	Pick miners.....	12	167	2 50	417 50	8
7995	Track layer.....	1	167	2 56	427 52	8
7995	Driver.....	1	167	2 56	427 52	8
7995	Other inside labor.....	7	167	2 36	394 12	8
7995	Engineers.....	3	167	2 55	425 85	8
7995	Weighman.....	1	167	2 00	334 00	9

†14 mines.

TABLE IX₂₃—COAL MINING—STARK COUNTY—Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7995	Dumper.....	1	167	\$2 00	\$334 00	8
7995	Trimmer.....	1	167	2 00	334 00	8
7995	Blacksmith.....	1	167	2 81	469 27	8
7995	Hostler.....	1	167	2 29	43 43	8
7996	Pick miners.....	25	210	2 50	525 00	8
7996	Track layer.....	1	210	2 56	537 60	8
7996	Pumper.....	1	210	2 56	537 60	8
7996	Other inside labor.....	2	210	2 36	495 60	8
7996	Engineers.....	3	210	2 55	535 50	8
7996	Fireman.....	1	210	2 00	420 00	8
7996	Weighman.....	1	210	2 00	420 00	8
7996	Dumper.....	1	210	2 00	420 00	8
7996	Trimmer.....	1	210	2 00	420 00	8
7996½	Pick miners.....	31	61	2 50	152 50	8
7996½	Track layer.....	1	61	2 56	156 16	8
7996½	Pumper.....	1	61	2 56	156 16	8
7996½	Trapper.....	1	61	1 13	68 93	8
7996½	Other inside labor.....	1	61	2 36	143 96	8
7996½	Engineers.....	3	61	2 55	155 55	8
7996½	Fireman.....	1	61	2 00	122 00	8
7996½	Weighman.....	1	61	2 00	122 00	8
7996½	Dumper.....	1	61	2 00	122 00	8
7996½	Trimmer.....	1	61	2 00	122 00	8
7996½	Blacksmith.....	1	61	2 81	171 41	8
12226	Pick miners.....	12	300	2 00	600 00	8
12226	Driver.....	1	300	2 56	768 00	8
12226	Other inside labor.....	2	300	2 07	621 00	8
12226	Engineer.....	1	300	2 25	675 00	8
12227	Pick miners.....	15	250	2 00	500 00	9
12227	Drivers.....	2	250	2 00	500 00	9
12227	Weighman.....	1	250	2 50	625 00	9
12227	Trimmer.....	1	250	2 00	500 00	9
12228	Pick miners.....	8	250	2 40	600 00	8
12228	Driver.....	1	250	2 56	640 00	8
12228	Engineer.....	1	250	2 56	640 00	8
12228	Dumper.....	1	250	2 56	640 00	8
12236	Pick miners.....	7	211	2 78	586 58	8
12236	Driver.....	1	211	2 60	548 60	8
12236	Other inside labor.....	1	211	2 36	497 96	8
12236	Weighman.....	1	211	2 10	443 10	8
12238	Pick miners.....	8	184	2 75	506 00	7
12238	Loaders.....	3	184	2 00	368 00	7
12238	Driver.....	1	184	2 00	368 00	7

TABLE IX₂₄—COAL MINING—SUMMIT COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7997	Pick miners.....	5	135	\$1 80	\$243 00	8
7997	Driver.....	1	135	2 12	286 20	8
7997	Engineer.....	1	135	2 00	270 00	8
7998	Pick miners.....	7	158	2 40	370 20	8
7998	Driver.....	1	158	2 36	372 88	8
7999	Pick miners.....	9	204	2 00	408 00	8
7999	Track layer.....	2	204	2 56	522 24	8
7999	Drivers.....	2	204	2 56	522 24	8
7999	Engineer.....	1	204	2 56	522 24	8
7999	Weighman.....	1	204	2 56	522 24	10
8000	Pick miners.....	5	160	2 00	320 00	8
8002	Pick miners.....	5	200	2 35	470 00	8
8002	Track layer.....	1	200	2 00	400 00	8
8002	Driver.....	1	200	2 00	400 00	8

TABLE IX₂₅—COAL MINING—TRUMBULL COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8009	Pick miners.....	20	233	\$2 50	\$582 50	2
8009	Track layer.....	1	233	2 50	582 50	2
8009	Driver.....	1	233	2 56	596 48	2
8009	Engineer.....	1	233	2 25	524 25	2
8009	Weighman.....	1	233	2 00	466 00	2
8010	Pick miners.....	2	75	1 75	131 25	2
8011	Pick miners..	2	175	2 50	437 50	2

TABLE IX26—COAL MINING—TUSCARAWAS COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8015	Machine cutters	6	210	\$3 15	\$661 50	8
8015	Loaders.....	30	210	33 00	630 00	8
8015	Track layer.....	1	210	56 56	537 60	8
8015	Drivers.....	4	210	28 56	357 60	8
8015	Timberman.....	1	210	32 56	537 60	8
8015	Trapper.....	1	210	1 13	237 30	8
8015	Other inside labor.....	6	210	3 15	661 50	8
8015	Engineer.....	1	210	3 50	525 00	8
8015	Fireman.....	1	210	3 00	420 00	8
8015	Weighman.....	1	210	3 50	525 00	8
8015	Dumper.....	1	210	3 00	420 00	8
8015	Trimmers.....	2	210	3 00	420 00	8
8015	Blacksmith.....	1	210	3 70	567 00	8
8015	Greaser.....	1	210	1 13	237 30	8
8016*	Pick miners.....	165	108	2 51	271 08	8
8016	Track layers.....	5	108	2 56	276 48	8
8016	Drivers.....	12	108	2 56	276 48	8
8016	Timbermen.....	4	108	2 56	276 48	8
8016	Pumpers.....	4	108	2 56	276 48	8
8016	Trappers.....	5	108	1 13	122 04	8
8016	Other inside labor.....	10	108	2 36	254 88	8
8016	Engineers.....	3	108	2 58	278 64	8
8016	Fireman.....	1	108	2 00	216 00	8
8016	Weighmen.....	4	108	2 50	270 00	8
8016	Dumpers.....	5	108	2 00	216 00	8
8016	Trimmers.....	7	108	2 00	216 00	8
8016	Carpenter.....	1	108	2 50	270 00	8
8016	Blacksmiths.....	3	108	2 63	284 04	8
8016	Greasers.....	4	108	1 13	122 04	8
8016	Other outside labor.....	6	108	2 00	216 00	8
8017	Pick miners.....	6	132	2 00	264 00	8
8017	Driver.....	1	132	2 00	264 00	8
8017	Other inside labor.....	1	132	2 56	337 92	8
8018	Pick miners.....	100	200	2 75	550 00	8
8018	Track layers.....	3	200	2 06	412 00	8
8018	Drivers.....	8	200	2 06	412 00	8
8018	Timbermen.....	2	200	2 06	412 00	8
8018	Pumpers.....	2	200	2 06	412 00	8
8018	Trappers.....	2	200	2 06	412 00	8
8018	Other inside labor.....	2	200	2 06	412 00	8
8018	Engineers.....	2	200	2 06	412 00	8
8018	Firemen.....	2	200	2 36	472 00	8
8018	Weighman.....	1	200	2 56	512 00	8
8018	Dumpers.....	4	200	2 36	472 00	8
8018	Trimmers.....	2	200	2 36	472 00	8
8018	Blacksmith.....	1	200	2 56	512 00	8
8018	Hostler.....	1	200	2 56	512 00	8
8019	Pick miners.....	12	300	2 20	660 00	8
8019	Track layers.....	2	300	2 56	768 00	8
8019	Drivers.....	2	300	2 56	768 00	8
8019	Pumper.....	1	300	1 25	375 00	8
8020	Pick miners.....	15	160	2 50	400 00	8
8020	Drivers.....	2	160	2 25	360 00	8
8020	Weighman.....	1	160	2 00	320 00	8
8021	Pick miners.....	50	175	2 50	437 50	8
8021	Track layers.....	2	175	2 56	448 00	8
8021	Drivers.....	6	175	2 56	448 00	8
8021	Timbermen.....	2	175	2 56	448 00	8
8021	Trappers.....	3	175	1 13	197 75	8
8021	Engineer.....	1	175	2 56	448 00	8
8021	Weighman.....	1	175	2 00	350 00	8
8021	Dumpers.....	2	175	2 00	350 00	8
8021	Trimmers.....	2	175	2 00	350 00	8
8021	Blacksmith.....	1	175	2 56	448 00	8
8021	Greaser.....	1	175	2 00	350 00	8
8022	Pick miners.....	28	200	2 20	440 00	8

*4 mines.

TABLE IX₂₆—COAL MINING—TUSCARAWAS COUNTY.

Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8022	Track layer.....	1	200	\$2 36	\$472 00	8
8022	Drivers.....	4	200	2 56	512 00	8
8022	Timberman.....	1	200	2 36	472 00	8
8022	Pumper.....	1	200	3 12	624 00	8
8039	Pick miners.....	5	283	2 25	636 75	8
8039	Driver.....	1	283	1 75	495 25	8
8040	Pick miners.....	2	200	2 50	500 00	8
8040	Driver.....	1	200	2 56	512 00	8
8041	Pick miners.....	2	200	1 85	370 00	8
8043†	Pick miners.....	34	231	2 16	498 96	8
8043	Track layers.....	3	231	2 56	591 36	8
8043	Drivers.....	4	231	2 36	545 16	8
8043	Timberman.....	1	231	2 56	591 36	8
8043	Engineer.....	1	231	2 00	462 00	8
8043	Weighmen.....	2	231	2 00	462 00	8
8043	Dumpers.....	2	231	2 00	462 00	8
8043	Trimmers.....	2	231	2 00	462 00	8
8043	Blacksmith.....	1	231	2 56	591 36	8
8043	Other outside labor.....	1	231	1 13	261 03	8
8044	Pick miners.....	20	54	2 25	121 50	8
8044	Track layer.....	1	54	2 56	138 24	8
8044	Drivers.....	3	54	2 56	138 24	8
8044	Pumper.....	1	54	2 36	127 44	8
8044	Other inside labor.....	4	54	3 36	134 20	8
8044	Engineer.....	1	54	2 30	124 20	8
8044	Dumper.....	1	54	2 00	108 00	8
8044	Trimmer.....	1	54	2 56	138 24	8
8044	Blacksmith.....	2	174	1 50	261 00	8
8046	Pick miners.....	2	118	2 04	240 72	8
8047	Pick miners.....	27	184	3 40	625 60	8
8049	Pick miners.....	1	184	2 56	471 04	8
8049	Track layer.....	3	184	2 56	471 04	8
8049	Drivers.....	2	184	2 56	471 04	8
8049	Other inside labor.....	1	184	2 00	368 00	8
8049	Weighman.....	2	184	2 00	368 00	8
8049	Trimmers.....	1	184	2 56	471 04	8
8049	Blacksmith.....	1	184	2 00	368 00	8
8049	Hostler.....	1	200	2 56	312 00	8
8022	Weighman.....	1	200	2 00	400 00	8
8022	Trimmer.....	1	220	2 56	512 00	8
8022	Blacksmith.....	1	250	3 00	750 00	8
8023	Pick miners.....	35	250	2 56	640 00	8
8023	Track layers.....	2	250	2 56	640 00	8
8023	Drivers.....	4	250	2 56	640 00	8
8024	Pick miners.....	6	290	2 77	803 30	8
8024	Driver.....	1	290	2 56	742 40	8
8026	Pick miners.....	4	250	1 95	487 50	8
8026	Driver.....	1	250	2 56	640 00	8
8027	Pick miners.....	3	250	1 60	400 00	8
8029	Pick miners.....	2	200	1 50	300 00	8
8030	Pick miners.....	9	133	2 24	297 92	8
8030	Track layer.....	1	133	2 47	328 51	8
8030	Drivers.....	2	133	2 33	309 89	8
8030	Pumper.....	1	133	2 33	309 89	8
8030	Engineer.....	1	133	2 12	281 96	20
8030	Weighman.....	1	133	1 99	264 67	8
8031†	Pick miners.....	115	275	3 75	1,031 25	8
8031	Track layers.....	3	275	2 56	704 00	8
8031	Drivers.....	19	275	2 56	704 00	8
8031	Pumpers.....	2	275	1 93	530 75	8
8031	Other inside labor.....	14	275	2 28	627 00	8
8031	Engineer.....	1	275	2 10	577 50	8
8031	Fireman.....	1	275	1 51	415 25	8
8031	Weighmen.....	2	275	2 15	591 25	8
8031	Dumpers.....	4	275	2 00	550 00	8

†3 mines.

†2 mines.

TABLE IX₂₆—COAL MINING—TUSCARAWAS COUNTY.

Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8031	Trimmers.....	7	275	\$2 00	\$550 00	8
8031	Blacksmiths.....	2	275	2 56	704 00	8
8031	Greaser.....	1	275	1 40	385 00	8
8034	Pick miners.....	10	100	3 00	300 00	8
8034	Track layer.....	1	100	2 56	256 00	8
8034	Driver.....	1	100	2 56	256 00	8
8034	Weighman.....	1	100	2 56	256 00	8
8035	Pick miners.....	5	164	2 50	410 00	8
8035	Driver.....	1	164	2 56	419 84	8
8035	Dumper.....	1	164	2 00	328 00	8
8036	Pick miners.....	6	156	3 00	468 00	8
8036	Driver.....	1	156	2 56	399 36	8
8037*	Pick miners.....	275	200	2 75	550 00	8
8037	Machine cutters.....	4	200	3 15	630 00	8
8037	Loaders.....	20	200	3 00	600 00	8
8037	Track layers.....	8	200	2 56	512 00	8
8037	Drivers.....	27	200	2 56	512 00	8
8037	Pumper.....	1	200	2 02	404 00	8
8037	Cager.....	1	200	2 56	512 00	8
8037	Trappers.....	13	200	1 13	226 00	8
8037	Other inside labor.....	6	200	2 56	512 00	8
8037	Engineers.....	3	200	2 70	540 00	8 6
8037	Firemen.....	2	200	2 01	402 00	8 5
8037	Weighmen.....	2	200	2 50	500 00	8
8037	Dumpers.....	2	200	2 25	450 00	8
8037	Trimmers.....	8	200	2 02	404 00	8
8037	Blacksmiths.....	6	200	2 56	512 00	8
8037	Greasers.....	3	200	1 50	300 00	8
8037	Hostler.....	1	200	2 50	500 00	8
8038	Pick miners.....	90	200	2 75	550 00	8
8038	Track layers.....	2	200	2 56	512 00	8
8038	Drivers.....	9	200	2 56	512 00	8
8038	Pumper.....	1	200	2 00	400 00	8
8038	Cager.....	1	200	2 56	512 00	8
8038	Trappers.....	4	200	1 13	226 00	8
8038	Engineer.....	1	200	2 70	540 00	8
8038	Fireman.....	1	200	2 00	400 00	9
8038	Weighman.....	1	200	2 50	500 00	8
8038	Dumper.....	1	200	2 25	450 00	8
8038	Trimmers.....	3	200	2 00	400 00	8
8038	Blacksmiths.....	3	200	2 56	512 00	8
8038	Greaser.....	1	200	1 50	300 00	8
8038	Hostler.....	1	200	2 50	500 00	8
8051	Pick miners.....	40	100	2 00	200 00	8
8051	Loaders.....	3	100	2 56	256 00	8
8051	Track layers.....	3	100	2 56	256 00	8
8051	Drivers.....	5	100	2 56	256 00	8
8051	Timbermen.....	3	100	2 56	256 00	8
8051	Trappers.....	2	100	1 13	113 00	8
8051	Other inside labor.....	15	100	1 75	175 00	8
8051	Engineers.....	3	100	2 15	215 00	8
8051	Weighman.....	1	100	2 00	200 00	8
8051	Dumpers.....	2	100	2 00	200 00	8
8051	Trimmers.....	2	100	2 00	200 00	8
8051	Carpenters.....	6	100	2 50	250 00	8
8051	Blacksmiths.....	2	100	2 85	285 00	8
8051	Hostler.....	1	100	2 00	200 00	8
8090	Pick miners.....	150	250	3 00	750 00	8
8090	Track layers.....	5	250	2 56	640 00	8
8090	Drivers.....	11	250	2 56	640 00	8
8090	Timbermen.....	4	250	2 56	640 00	8
8090	Cagers.....	6	250	2 56	640 00	8
8090	Trappers.....	4	250	1 13	282 50	8
8090	Other inside labor.....	15	250	2 36	590 00	8
8090	Engineers.....	2	250	2 56	640 00	8
8090	Fireman.....	1	250	2 56	640 00	8

*2 mines.

TABLE IX₂₆—COAL MINING—TUSCARAWAS COUNTY.
Concluded.

Schedule number.	Occupation.	Number employed.	Number employed. Average number of days	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8090	Weighman.....	1	250	\$2 56	\$640 00	8
8090	Trimmers.....	2	250	2 00	500 00	8
8090	Blacksmiths.....	3	250	2 56	640 00	8
8090	Greaser.....	1	250	1 13	282 50	8
8090	Other outside labor.....	6	250	2 56	640 00	8
8124	Machine cutters.....	5	239	3 15	752 85	8
8124	Loaders.....	45	239	2 00	717 00	8
8124	Track layer.....	1	239	2 56	611 84	8
8124	Drivers.....	4	239	2 56	611 84	8
8124	Timberman.....	2	239	2 56	611 84	8
8124	Trappers.....	2	239	1 13	270 07	8
8124	Other inside labor.....	5	239	2 38	564 04	8
8124	Engineer.....	1	239	3 53	843 67	8
8124	Fireman.....	1	239	1 50	358 50	8
8124	Weighman.....	1	239	2 50	597 50	8
8124	Dumpers.....	2	239	2 00	478 00	8
8124	Trimmers.....	2	239	2 00	478 00	8
8124	Blacksmith.....	1	239	2 75	657 25	8
8124	Hostler.....	1	239	1 77	423 03	8
12244	Pick miners.....	50	175	2 50	437 50	8
12244	Track layers.....	2	175	2 56	448 00	8
12244	Drivers.....	5	175	2 56	448 00	8
12244	Timberman.....	1	175	2 56	448 00	8
12244	Pumpers.....	2	175	2 56	448 00	8
12244	Trappers.....	2	175	2 56	448 00	8
12244	Other inside labor.....	1	175	2 56	448 00	8
12244	Engineer.....	1	175	2 56	448 00	8
12244	Fireman.....	1	175	2 36	413 00	8
12244	Weighman.....	1	175	2 25	393 75	8
12244	Dumpers.....	4	175	2 36	413 00	8
12244	Trimmers.....	3	175	2 36	413 00	8
12244	Blacksmith.....	1	175	2 56	448 00	8
12244	Greasers.....	5	175	1 13	197 75	8
12244	Hostler.....	1	175	2 56	448 00	8
12245	Pick miners.....	60	200	2 50	500 00	8
12245	Track layers.....	2	200	2 46	492 00	8
12245	Drivers.....	5	200	2 56	512 00	8
12245	Trappers.....	2	200	1 13	226 00	8
12245	Engineers.....	2	200	2 00	400 00	8
12245	Weighman.....	1	200	2 25	450 00	8
12245	Dumpers.....	2	200	2 00	400 00	8
12245	Trimmers.....	2	200	2 00	400 00	8
12245	Blacksmith.....	1	200	2 28	456 00	8
12245	Greaser.....	1	200	1 13	226 00	8
12245	Hostler.....	1	200	2 00	400 00	8
12245	Other outside labor.....	1	200	2 56	512 00	8
12247†	Pick miners.....	2	200	2 50	500 00	8
12247	Track layers.....	2	200	2 45	490 00	8
12247	Drivers.....	6	200	2 40	480 00	8
12247	Other inside labor.....	3	200	2 36	472 00	8
12247	Engineer.....	1	200	2 75	550 00	8
12247	Weighmen.....	2	200	2 50	500 00	8
12247	Dumpers.....	2	200	2 00	400 00	8
12247	Trimmers.....	4	200	2 00	400 00	8
12247	Blacksmiths.....	2	200	2 42	484 00	8
12247	Hostler.....	1	200	2 00	400 00	8

†2 mines.

TABLE IX₂₇—COAL MINING—VINTON COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1933.	Average daily wages.	Average yearly earnings, 1933.	Average hours of daily labor.
8053*	Pick miners.....	10	250	\$2 50	\$625 00	8
8053	Machine cutters.....	4	250	2 50	625 00	8
8053	Loaders.....	15	250	2 25	562 50	8
8053	Track layer.....	1	250	2 31	577 50	8
8053	Drivers.....	4	250	2 06	515 00	8
8053	Trapper.....	1	250	1 00	250 00	8
8053	Engineer.....	1	250	2 25	562 50	8
8053	Weighman.....	1	250	2 06	515 00	8
8053	Dumper.....	1	250	2 06	515 00	8
8053	Trimmer.....	1	250	2 06	515 00	8
8053	Blacksmith.....	1	250	2 25	562 50	8
8054	Pick miners.....	61	180	4 09	736 20	8
8054	Track layer.....	1	180	2 31	415 80	8
8054	Drivers.....	6	180	2 06	370 80	8
8054	Cager.....	1	180	2 06	370 80	8
8054	Trappers.....	4	180	1 00	180 00	8
8054	Engineer.....	1	180	2 62	471 60	8
8054	Fireman.....	1	180	2 06	370 80	8
8054	Weighman.....	1	180	2 06	370 80	8
8054	Trimmer.....	1	180	2 06	370 80	8
8054	Blacksmith.....	1	180	2 25	405 00	8
8055	Machine cutters.....	4	190	2 37	450 80	8
8055	Loaders.....	18	190	1 25	237 50	8
8055	Track layer.....	1	190	2 31	438 90	8
8055	Drivers.....	2	190	2 06	391 40	8
8055	Engineer.....	1	190	2 08	395 20	8
8055	Blacksmith.....	1	190	2 06	391 40	8
8056	Pick miners.....	30	240	1 60	384 00	8
8056	Track layer.....	1	240	2 31	554 40	8
8056	Drivers.....	4	240	2 06	494 40	8
8056	Other inside labor.....	1	240	2 31	554 40	8
8056	Engineer.....	1	240	2 50	600 00	8
8056	Weighman.....	1	240	2 06	494 40	8
8056	Dumper.....	1	240	2 06	494 40	8
8056	Trimmer.....	1	240	2 06	494 40	8
8057	Pick miners.....	34	196	2 50	490 00	8
8057	Machine cutters.....	2	196	2 75	539 00	8
8057	Loaders.....	12	196	2 50	490 00	8
8057	Track layer.....	1	196	2 31	452 76	8
8057	Drivers.....	4	196	2 06	403 76	8
8057	Trappers.....	2	196	1 00	196 00	8
8057	Other inside labor.....	3	196	2 06	403 76	8
8057	Engineer.....	1	196	2 50	490 00	8
8057	Dumper.....	1	196	2 06	403 76	8
8057	Trimmers.....	2	196	2 06	403 76	8
8057	Blacksmith.....	1	196	2 66	521 36	8
8113	Pick miners.....	45	186	2 80	520 80	7
8113	Track layer.....	1	186	2 31	429 66	8
8113	Drivers.....	4	186	2 06	383 16	8
8113	Trappers.....	3	186	1 00	186 00	8
8113	Engineer.....	1	186	2 00	372 00	10
8113	Fireman.....	1	186	1 50	279 00	10
8113	Weighman.....	1	186	2 06	383 16	8
8113	Dumper.....	1	186	2 06	383 16	8
8113	Trimmers.....	2	186	2 06	383 16	8
8113	Blacksmith.....	1	186	1 50	279 00	6
8135	Machine cutters.....	8	186	2 50	465 00	8
8135	Loaders.....	35	186	2 50	465 00	8
8135	Track layer.....	1	186	2 06	383 16	8
8135	Drivers.....	4	186	2 06	383 16	8
8135	Trappers.....	2	186	1 00	186 00	8
8135	Engineers.....	2	186	2 50	465 00	8
8137	Firemen.....	2	186	2 50	465 00	8
8135	Weighman.....	1	186	2 16	401 76	8
8135	Dumper.....	1	186	2 06	383 16	8
8135	Trimmers.....	2	186	2 06	383 16	8

*2 mines.

TABLE IX₂₇—COAL MINING—VINTON COUNTY.

Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8135	Carpenter.....	1	186	\$2 06	\$383 16	2
8135	Blacksmith.....	1	186	2 50	465 00	2
12252	Pick miners.....	9	90	2 06	185 40	2
12252	Driver.....	1	90	2 06	185 40	2
12252	Weighman.....	1	90	2 06	185 40	2

TABLE IX28—COAL MINING—WASHINGTON COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8062	Pick miners.....	5	234	\$150	\$351 00	3
8062	Other inside labor.....	1	234	2 36	552 24	3
8062	Other outside labor.....	1	234	1 50	351 00	3

TABLE IX₂₉—COAL MINING—WAYNE COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8067	Pick miners.....	2	200	\$1 55	\$310 00	6
8067	Engineer.....	1	200	2 00	400 00	10
8067	Other outside labor.....	8	200	1 55	310 00	8
8070	Pick miners.....	75	175	2 25	393 75	8
8070	Track layer.....	1	175	2 56	448 00	8
8070	Drivers.....	4	175	2 56	448 00	8
8070	Pumper.....	1	175	2 50	437 50	8
8070	Cager.....	1	175	2 56	448 00	8
8070	Trappers.....	2	175	1 00	175 00	8
8070	Engineer.....	1	175	2 50	437 50	8
8070	Fireman.....	1	175	2 00	350 00	8
8070	Dumper.....	1	175	2 00	350 00	8
8070	Trimmer.....	1	175	2 00	350 00	8
8070	Blacksmith.....	1	175	2 40	420 00	8
8070	Other outside labor.....	2	175	2 50	437 50	8
8071	Pick miners.....	0	150	2 75	412 50	8
8071	Track layers.....	2	150	2 56	384 00	8
8071	Drivers.....	6	150	2 56	384 00	8
8071	Pumpers.....	1	150	2 36	354 00	8
8071	Cager.....	1	150	2 56	384 00	8
8071	Trappers.....	3	150	1 13	169 50	8
8071	Engineers.....	2	150	2 68	402 00	8
8071	Fireman.....	1	150	2 00	300 00	8
8071	Weighman.....	1	150	2 50	375 00	8
8071	Dumper.....	1	150	2 25	337 50	8
8071	Trimmers.....	3	150	2 00	300 00	8
8071	Blacksmith.....	1	150	2 70	405 00	8
8071	Hostler.....	1	150	60	90 00	8
8072	Pick miners.....	50	100	3 00	300 00	8
8072	Track layer.....	1	100	2 56	256 00	8
8072	Drivers.....	3	100	2 56	256 00	8
8072	Pumpers.....	2	100	2 36	236 00	8
8072	Cager.....	1	100	2 36	236 00	8
8072	Trapper.....	1	100	1 13	113 00	8
8072	Other inside labor.....	1	100	2 36	236 00	8
8072	Engineers.....	3	100	2 32	232 00	8
8072	Fireman.....	1	100	2 00	200 00	8
8072	Weighman.....	1	100	2 00	200 00	8
8072	Dumper.....	1	100	2 00	200 00	8
8072	Trimmer.....	1	100	1 90	190 00	8
8072	Blacksmith.....	1	100	2 53	253 00	8

TABLE X—COAL MINING.

Showing the Number in Each Occupation Affected by a Change in Wages for
the Year 1903.

Occupation.	No. of Employees.	Advanced per cent.	Reduced per cent.
Pick miners.....	7,895	11.7	.....
Machine cutters.....	1,320	13.1	.....
Loaders.....	10,570	12.5	.....
Track layers.....	424	13.3	.....
Drivers.....	1,746	14.6	.....
Timbermen.....	169	12.7	.....
Pumpers.....	233	12.6	.....
Cagers.....	194	13.7	.....
Trappers.....	730	12.4	.....
Other inside labor.....	1,069	13.6	.....
Engineers.....	297	12.6	.....
Firemen.....	192	12.7	.....
Weighmen.....	181	12.8	.....
Dumpers.....	258	13.1	.....
Trimmers.....	500	12.8	.....
Carpenters.....	118	12.4	.....
Blacksmiths.....	293	12.9	.....
Greasers.....	154	12.6	.....
Hostlers.....	114	12.4	.....
Other outside labor.....	493	12.7	.....
Total and average	26,950	12.57	.....

TABLE XI—COAL MINING

Showing by Counties the Number in Each Occupation Affected by a Change
in Wages for the Year 1903.

Counties.	Occupation.	No. of Employees.	Advanced per cent.	Reduced per cent.
Athens.....	Pick miners.....	185	12.2	.....
"	Machine cutters.....	311	12.4	.....
"	Loaders.....	2,770	12	.....
"	Track layers.....	53	13.5	.....
"	Drivers.....	279	14.2	.....
"	Timbermen.....	27	14.2	.....
"	Pumpers.....	31	12.3	.....
"	Cagers.....	41	12.8	.....
"	Trappers.....	127	12.4	.....
"	Other inside labor.....	163	12.5	.....
"	Engineers.....	45	12.3	.....
"	Firemen.....	28	12	.....
"	Weighmen.....	22	12.3	.....
"	Dumpers.....	22	12.3	.....
"	Trimmers.....	104	12.4	.....
"	Carpenters.....	27	12.8	.....
"	Blacksmiths.....	42	12.3	.....
"	Greasers.....	26	12.4	.....
"	Hostlers.....	25	12.5	.....
"	Other outside labor.....	59	12.3	.....
Belmont.....	Pick miners.....	1,304	11.8	.....
"	Machine cutters.....	145	13.6	.....
"	Loaders.....	796	13	.....
"	Track layers.....	36	13.3	.....
"	Drivers.....	224	15.7	.....
"	Timbermen.....	26	13.5	.....
"	Pumpers.....	9	12.5	.....
"	Cagers.....	3	15.6	.....
"	Trappers.....	75	13.8	.....
"	Other inside labor.....	67	13.6	.....
"	Engineers.....	26	13.6	.....
"	Firemen.....	15	16.7	.....
"	Weighmen.....	20	14.7	.....
"	Dumpers.....	20	15.5	.....
"	Trimmers.....	48	14.3	.....
"	Carpenters.....	17	13.4	.....
"	Blacksmiths.....	30	14	.....
"	Greasers.....	11	14.3	.....
"	Hostlers.....	10	13.2	.....
"	Other outside labor.....	91	12.7	.....
Carroll.....	Pick miners.....	31	12.6	.....
"	Machine cutters.....	62	16.4	.....
"	Loaders.....	388	11.6	.....
"	Track layers.....	12	13.9	.....
"	Drivers.....	33	13.5	.....
"	Timbermen.....	10	12.5	.....
"	Pumpers.....	17	13.2	.....
"	Cagers.....	4	12.5	.....
"	Trappers.....	20	12.5	.....
"	Other inside labor.....	26	13.7	.....
"	Engineers.....	12	13.4	.....
"	Firemen.....	3	12.5	.....
"	Weighmen.....	4	12.5	.....
"	Dumpers.....	5	12.5	.....
"	Trimmers.....	17	12.5	.....
"	Carpenters.....	2	12.5	.....
"	Blacksmiths.....	9	12.8	.....
"	Greasers.....	4	12.5	.....
"	Hostlers.....	3	12.5	.....
"	Other outside labor.....	6	12.5	.....
Columbiana.....	Pick miners.....	233	10.2	.....
"	Machine cutters.....	20	12	.....
"	Loaders.....	248	11.6	.....
"	Track layers.....	19	10.3	.....
"	Drivers.....	62	15.2	.....
"	Timbermen.....	4	10.2	.....
"	Pumpers.....	10	9.3	.....
"	Cagers.....	4	12.6	.....
"	Trappers.....	14	8.5	.....
"	Other inside labor.....	16	10.2	.....
"	Engineers.....	11	10.5	.....
"	Firemen.....	3	14.1	.....
"	Weighmen.....	6	10.2	.....

TABLE XI—COAL MINING—Continued.

Counties.	Occupation.	No. of Employees.	Advanced per cent.	Reduced per cent.
Folumbiana.....	Dumpers.....	10	10.8	.....
"	Trimmers.....	10	13.3	.....
"	Carpenter.....	1	12.5	.....
"	Blacksmiths.....	12	11	.....
"	Greasers.....	7	8.6	.....
"	Hostlers.....	4	9.1	.....
"	Other outside labor.....	6	12.6	.....
Coshocton.....	Pick miners.....	329	12.5	.....
"	Machine cutters.....	20	12.5	.....
"	Loaders.....	238	12.5	.....
"	Track layers.....	16	13.1	.....
"	Drivers.....	57	18.1	.....
"	Timbermen.....	15	12.5	.....
"	Pumpers.....	7	12.5	.....
"	Trappers.....	9	12.5	.....
"	Other inside labor.....	19	12.5	.....
"	Engineers.....	5	12.5	.....
"	Firemen.....	2	12.5	.....
"	Weighmen.....	5	12.5	.....
"	Dumpers.....	20	13.7	.....
"	Trimmers.....	7	12.5	.....
"	Carpenters.....	5	12.5	.....
"	Blacksmiths.....	7	12.5	.....
"	Greasers.....	4	12.5	.....
"	Hostlers.....	3	12.5	.....
"	Other outside labor.....	15	12.5	.....
Gallia.....	Pick miners.....	36	10	.....
"	Drivers.....	6	15	.....
"	Other inside labor.....	2	15	.....
"	Trimmer.....	1	6.2	.....
"	Other outside labor.....	2	6.2	.....
Guernsey.....	Pick miners.....	96	12.5	.....
"	Machine cutters.....	198	12.3	.....
"	Loaders.....	1,478	12.6	.....
"	Track layers.....	48	13.7	.....
"	Drivers.....	234	14.5	.....
"	Timbermen.....	27	12.5	.....
"	Pumpers.....	27	12.5	.....
"	Cagers.....	34	14.3	.....
"	Trappers.....	81	12.5	.....
"	Other inside labor.....	132	12.6	.....
"	Engineers.....	37	13.1	.....
"	Firemen.....	42	12.8	.....
"	Weighmen.....	16	13.5	.....
"	Dumpers.....	15	12.5	.....
"	Trimmers.....	43	13.2	.....
"	Carpenters.....	12	12.5	.....
"	Blacksmiths.....	26	12.5	.....
"	Greasers.....	9	12.5	.....
"	Hostlers.....	14	12.5	.....
"	Other outside labor.....	32	12.7	.....
Harrison.....	Pick miners.....	63	13.3	.....
"	Track layers.....	2	13	.....
"	Drivers.....	5	24.6	.....
"	Trapper.....	1	13.6	.....
"	Other inside labor.....	3	27	.....
"	Engineer.....	1	14.2	.....
"	Weighman.....	1	11.1	.....
"	Dumpers.....	2	11.7	.....
"	Trimmer.....	1	13.5	.....
"	Blacksmith.....	1	28.2	.....
"	Other outside labor.....	1	25	.....
Hocking.....	Pick miners.....	8	12.5	.....
"	Machine cutters.....	86	12.5	.....
"	Loaders.....	867	12.5	.....
"	Track layers.....	12	12.5	.....
"	Drivers.....	75	12.5	.....
"	Timbermen.....	8	12.5	.....
"	Pumpers.....	6	12.5	.....
"	Trappers.....	10	12.5	.....
"	Other inside labor.....	64	12.5	.....
"	Engineers.....	13	12.5	.....
"	Firemen.....	9	12.5	.....
"	Weighmen.....	7	12.5	.....
"	Dumpers.....	12	12.5	.....
"	Trimmers.....	38	12.5	.....
"	Carpenters.....	5	12.5	.....

TABLE XI—COAL MINING—Continued.

Counties.	Occupation.	No. of Employees.	Advanced per cent.	Reduced per cent.
Hocking.....	Blacksmiths.....	10	12.5	.....
"	Greasers.....	6	12.5	.....
"	Hostlers.....	3	12.5	.....
"	Other outside labor.....	13	12.5	.....
Holmes.....	Pick miners.....	8	10	.....
Jackson.....	Pick miners.....	1,105	12.3	.....
"	Machine cutters.....	78	14	.....
"	Loaders.....	397	12.2	.....
"	Track layers.....	37	16.3	.....
"	Drivers.....	280	14.3	.....
"	Timbermen.....	27	12.5	.....
"	Pumpers.....	20	13.1	.....
"	Cagers.....	36	13.9	.....
"	Trappers.....	106	13.1	.....
"	Other inside labor.....	215	15.8	.....
"	Engineers.....	18	13.9	.....
"	Firemen.....	22	12.5	.....
"	Weighmen.....	22	15.8	.....
"	Dumpers.....	19	15.8	.....
"	Carpenters.....	4	12.5	.....
"	Blacksmiths.....	28	12.4	.....
"	Greasers.....	23	14.3	.....
"	Hostlers.....	13	12.5	.....
"	Other outside labor.....	46	14.4	.....
Jefferson.....	Pick miners.....	700	10.7	.....
"	Machine cutters.....	98	11.6	.....
"	Loaders.....	659	11	.....
"	Track layers.....	24	11.9	.....
"	Drivers.....	76	16.9	.....
"	Timbermen.....	12	12.8	.....
"	Pumpers.....	8	12.5	.....
"	Cagers.....	3	13.2	.....
"	Trappers.....	45	10.4	.....
"	Other inside labor.....	76	11.2	.....
"	Engineers.....	7	9.5	.....
"	Weighmen.....	6	17.3	.....
"	Dumpers.....	11	12.5	.....
"	Trimmers.....	20	11.2	.....
"	Carpenters.....	16	10.8	.....
"	Blacksmiths.....	17	13	.....
"	Greasers.....	12	11	.....
"	Hostler.....	4	11.6	.....
"	Other outside labor.....	119	8.4	.....
Lawrence.....	Pick miners.....	180	19.8	.....
"	Track layers.....	4	22.5	.....
"	Drivers.....	21	24.3	.....
"	Timbermen.....	2	25	.....
"	Pumper.....	1	25	.....
"	Trappers.....	6	23.3	.....
"	Other inside labor.....	29	24.8	.....
"	Weighmen.....	3	19.1	.....
"	Dumpers.....	2	20	.....
"	Trimmers.....	5	23	.....
"	Blacksmiths.....	4	23	.....
"	Other outside labor.....	35	25.1	.....
Mahoning.....	Pick miners.....	115	11.7	.....
"	Track layers.....	2	20	.....
"	Drivers.....	5	20.7	.....
"	Pumper.....	1	20	.....
"	Cager.....	1	20	.....
"	Engineers.....	3	17.9	.....
"	Blacksmith.....	1	20	.....
"	Other outside labor.....	7	20	.....
Medina.....	Pick miners.....	13	17.1	.....
"	Drivers.....	3	20.6	.....
"	Pumper.....	1	15	.....
"	Engineer.....	1	21.9	.....
Meigs.....	Pick miners.....	161	8.4	.....
"	Loaders.....	5	9	.....
"	Track layers.....	6	7.8	.....
"	Drivers.....	26	12.8	.....
"	Pumpers.....	2	9	.....
"	Cager.....	1	9	.....
"	Trappers.....	2	9	.....
"	Engineer.....	1	6	.....
"	Weighman.....	1	9	.....
"	Dumpers.....	5	8.4	.....

TABLE XI—COAL MINING—Continued.

Counties.	Occupation.	No. of Employees.	Advanced per cent.	Reduced per cent.
Meigs.....	Trimmer.....	1	6	.....
"	Greaser.....	1	9	.....
"	Other outside labor.....	11	9	.....
Morgan.....	Machine cutters.....	11	14	.....
"	Loaders.....	44	14	.....
"	Track layers.....	2	14	.....
"	Drivers.....	6	25	.....
"	Trappers.....	2	13	.....
"	Other inside labor.....	5	14	.....
"	Engineers.....	2	14	.....
"	Weighman.....	1	10	.....
"	Trimmers.....	2	18	.....
"	Blacksmith.....	1	17	.....
"	Other outside labor.....	4	14	.....
Muskingum.....	Pick miners.....	221	12.7	.....
"	Track layers.....	4	12.2	.....
"	Drivers.....	28	12.4	.....
"	Trappers.....	7	12.5	.....
"	Other inside labor.....	13	12.4	.....
"	Weighmen.....	5	12.4	.....
"	Dumpers.....	5	12.3	.....
"	Trimmers.....	6	12.3	.....
"	Blacksmiths.....	3	12.5	.....
"	Hostler.....	1	12	.....
"	Other outside labor.....	2	12.5	.....
Noble.....	Pick miners.....	6	18.7	.....
Perry.....	Pick miners.....	409	12.4	.....
"	Machine cutters.....	280	14	.....
"	Loaders.....	2,480	13.4	.....
"	Track layers.....	65	13.6	.....
"	Drivers.....	268	13.7	.....
"	Timbermen.....	33	12.5	.....
"	Pumpers.....	41	12.9	.....
"	Cagers.....	36	12.5	.....
"	Trappers.....	122	12.5	.....
"	Other inside labor.....	128	12.6	.....
"	Engineers.....	49	12.5	.....
"	Firemen.....	39	12.5	.....
"	Weighmen.....	28	12.3	.....
"	Dumpers.....	51	12.5	.....
"	Trimmers.....	102	12.5	.....
"	Carpenters.....	26	12.5	.....
"	Blacksmiths.....	53	12.5	.....
"	Greasers.....	27	12.5	.....
"	Hostlers.....	27	12.5	.....
"	Other outside labor.....	88	12.5	.....
Scioto.....	Pick miners.....	16	12.5	.....
"	Track layer.....	1	24	.....
"	Drivers.....	3	24	.....
"	Other inside labor.....	6	24	.....
"	Weighman.....	1	24	.....
"	Dumpers.....	2	24	.....
"	Trimmer.....	1	24	.....
"	Blacksmith.....	1	24	.....
"	Other outside labor.....	2	24	.....
Stark.....	Pick miners.....	1,250	11.1	.....
"	Machine cutters.....	10	12.5	.....
"	Loaders.....	100	12.5	.....
"	Track layers.....	39	13	.....
"	Drivers.....	111	12.9	.....
"	Timberman.....	1	12.5	.....
"	Pumpers.....	37	12.7	.....
"	Cagers.....	20	17	.....
"	Trappers.....	59	12.6	.....
"	Other inside labor.....	56	12.1	.....
"	Engineers.....	62	12.5	.....
"	Firemen.....	19	12.4	.....
"	Weighmen.....	19	12.1	.....
"	Dumpers.....	30	12.5	.....
"	Trimmers.....	53	12.5	.....
"	Carpenters.....	3	12.5	.....
"	Blacksmiths.....	23	12.4	.....
"	Greasers.....	11	12.7	.....
"	Other outside labor.....	6	13.3	.....
Trumbull.....	Pick miners.....	20	10	.....
"	Track layer.....	1	10	.....
"	Driver.....	1	10	.....
"	Engineer.....	1	10	.....

TABLE XI—COAL MINING—Concluded.

Counties.	Occupation.	No. of Employees.	Advanced per cent.	Reduced per cent.
Trumbull.....	Weighman.....	1	10	.....
Tuscarawas.....	Pick miners.....	1,132	12.4	.....
"	Machine cutters.....	8	12.5	.....
"	Loaders.....	85	13.8	.....
"	Track layers.....	36	12.6	.....
"	Drivers.....	119	16.8	.....
"	Timbermen.....	10	12.6	.....
"	Pumpers.....	11	14.2	.....
"	Cagers.....	9	14.6	.....
"	Trappers.....	39	12.5	.....
"	Other inside labor.....	48	14.2	.....
"	Engineers.....	16	12.1	.....
"	Firemen.....	8	10.4	.....
"	Weighmen.....	10	13.2	.....
"	Dumpers.....	24	12.5	.....
"	Trimmers.....	36	12.5	.....
"	Blacksmiths.....	21	13	.....
"	Greasers.....	13	12.5	.....
"	Hostlers.....	7	11.7	.....
"	Other outside labor.....	7	12.5	.....
Vinton.....	Pick miners.....	114	11.7	.....
"	Machine cutters.....	8	18.5	.....
"	Loaders.....	33	19	.....
"	Track layers.....	2	18.5	.....
"	Drivers.....	6	16.3	.....
"	Trapper.....	1	12	.....
"	Engineer.....	1	12	.....
"	Weighman.....	1	12	.....
"	Dumper.....	1	12	.....
"	Trimmer.....	1	12	.....
"	Blacksmiths.....	2	18.5	.....
Wayne.....	Pick miners.....	110	12.5	.....
"	Track layers.....	3	12.5	.....
"	Drivers.....	9	18.9	.....
"	Pumpers.....	4	12.5	.....
"	Cagers.....	2	12.5	.....
"	Trappers.....	4	12.5	.....
"	Other inside labor.....	1	12.5	.....
"	Engineers.....	5	12.5	.....
"	Firemen.....	2	12.5	.....
"	Weighmen.....	2	12.5	.....
"	Dumpers.....	2	12.5	.....
"	Trimmers.....	4	12.5	.....
"	Blacksmiths.....	2	12.5	.....

PART IV.

Free Public Employment Officers and
Chronology of Labor Bureaus.

CLEVELAND OFFICE.

CLEVELAND, OHIO, November 11, 1904.

HON. M. D. RATCHFORD, *Commissioner of Labor Statistics*,
COLUMBUS, OHIO.

SIR—I have the honor to submit herewith a summary showing the work of this office during the twelve months, ending October 31, 1904, with itemized expense account for the same time.

There has been a noticeable falling off in the amount of help required by the employers and the positions obtained by this office. This is due to the unfavorable condition existing in the iron and steel trade and other manufacturing.

The price for labor is gratifying, save in the skilled classes where there has been a reduction. This reduction is due to the conditions above mentioned.

Respectfully submitted,

I. M. McMULLAN,
Superintendent.

COLUMBUS OFFICE.

COLUMBUS, OHIO, November 1, 1904.

HON. M. D. RATCHFORD, *Commissioner of Labor Statistics*,
COLUMBUS, OHIO.

SIR—I have the honor to herewith submit the 14th annual report of the Free Public Employment Office, of Columbus, Ohio, for the twelve months ending October 31, 1904. You will also find enclosed an itemized account of the expenditures of this office for the same period.

Very truly yours,

S. P. EWING,
Superintendent.

CINCINNATI OFFICE.

CINCINNATI, OHIO, November 1, 1904.

HON. M. D. RATCHFORD, *Commissioner of Labor Statistics*,
COLUMBUS, OHIO.

SIR—I herewith submit for your consideration, the 15th annual report of the Free Public Employment Office of Cincinnati, for the twelve months ending October 31, 1904.

You will also find enclosed herewith the financial report showing the total amount of money expended for maintaining same. The year just closed for

this office has kept pace with all other lines of business throughout this city and state, and I know of no reason for complaint, unless the scarcity of help or employes would be looked upon as a complaint.

The male classes of employes have with very few exceptions, equaled the demand; the exceptions being the scarcity in the particular lines or pursuits.

Salaries for male help have varied but very little; many cases being what would be considered very good; laborers or common labor receiving no less than \$1.50 per day, many cases \$1.75 and in some instances \$2.00 per day. It is to be noted that on the books of this office are to be found a much better demand for help from the most reliable business firms of our city, due no doubt to the advertising allowance made for these offices by the General Assembly two years ago.

It is to be regretted that said allowance for advertising and general repairs was not allowed again this year, although what we were allowed was inadequate as it was, but still better than at present. Said advertising had a tendency to better the demand for help, also the application of a better class of employes. Said advertising also has brought to this office to my knowledge, a demand for skilled mechanics, which positions on one or two occasions paid salaries ranging from \$1,200 to \$1,800 per year. This of itself, is an item not to be overlooked, as positions of such character are not often found in employment offices that are not known to exist, except through some medium of advertising.

Owing to the vast amount of competition and the manner in which the private pay employment agencies are conducted, advertising is so essential, that I hope the next General Assembly will make a permanent allowance for same exclusively, independent of general repairs or anything else.

The demand for female help in this city seems to be our bone of contention. Said demand is so great and the supply so limited, that it is an utter impossibility to begin to fill our needs by a large margin; with a demand for 2,847 employes in the past year, we secured but 2,464 applications, and were successful in placing but 2,098, leaving a total of 747 orders that could not be filled.

This state of affairs however exists all over our country to my knowledge from personal investigation, especially as regards private or domestic help; wages for this class of employes have been what should be considered good, ranging from \$3.00 to \$4.50 and \$5.00, and in some instances \$6.00 per week. Colored persons for this service are being used to a greater extent than heretofore, due no doubt to the scarcity of white servants.

I regret to state in this report that it was our misfortune to have to change the location of our office, inasmuch as we were so well established in our old quarters, the cause being one of our neighboring firms having spread to such an extent, that our office was needed for his business. Said removal has caused the expense of this office to increase slightly over former years, which cannot be helped in a city like this, as rents in all localities here have increased materially. However, I hope in the near future to secure quarters as near our old allowance as possible.

In submitting this report, I trust ways and means will be perfected, whereby some allowance can be made toward refitting this office with new furniture, etc., as it is very much in need of same, the majority of our limited furnishings at present, having been in use in this office since first created, to wit, April, 1890.

Trusting these few recommendations will receive due and merited consideration for the benefit of the office and the public in general, and thanking you and your office attaches for the many courtesies shown in the past, I beg to remain,

Very respectfully yours,

J. S. RICHARDSON,
Superintendent.

DAYTON OFFICE.

DAYTON, OHIO, October 31, 1904.

HON. M. D. RATCHFORD, *Commissioner of Labor Statistics*,
COLUMBUS, OHIO.

SIR—I have the honor to submit herewith, the annual statement of the business done by the Dayton Free Public Employment Office, for the twelve months ending October 31, 1904; also, annual financial report ending same date. I am pleased to report that our office grows in favor with our people, and is generally patronized, and our patrons in most cases speak in praise of the help we furnish them.

The commercial condition during the past year has not been so good as the previous one, hence, the number of places open for laborers are correspondingly less, yet the demand for farm and dairy hands has been good.

The abundant crops of corn and tobacco, and the high prices of all farm products has stimulated the farmers to larger cultivation of farm lands, and the demand for this kind of labor is growing and the prices paid for good farm hands are good.

The demand for female help is much greater than the supply. Especially is this true with domestics. We have not been able to fill half the places that have been open for good domestics. I account for this in part for the reason that so many of our factories employ female help, and they prefer this to house work for the reason they have their evenings and Sundays to themselves.

The laws passed by our last legislature, governing paid Employment Offices, I am sure, will work greatly to the benefit of those seeking employment.

In conclusion, I wish to express our thanks for the kindness shown us by yourself and the other attaches of your office. I remain,

Yours very truly,
JOHN F. ILIFF,
Superintendent.

TOLEDO OFFICE.

TOLEDO, OHIO, October 26, 1904.

HON. M. D. RATCHFORD, *Commissioner of Labor Statistics*,
COLUMBUS, OHIO.

SIR—I have the honor to submit herewith a statement of the business transacted by the Free Public Employment Office of this city for the twelve months ending October 31, 1904, also expense report covering the same period.

The report shows that labor in Toledo and vicinity has not been in as active demand during the past year as it was during the same period of 1903. This is to be accounted for in two ways:

In the first place, it being Presidential year, there is naturally some falling off in demand, but owing to the certainty of the re-election of President Roose-

velt, the falling off was not so great as it has been in Presidential years heretofore.

Second, the lack of money to give proper publicity to the fact that there is a State Free Employment Office in Toledo, and our having no advertisement to that effect, naturally deprived us of a good deal of the usefulness that we would otherwise have had.

We had considerable demand during the seasons in which they were busy from the sugar industry and the stone quarries, and the unusual amount of paving and repairing of streets in Toledo this year helped out a great deal, so that in the main there has not probably been a great deal of unemployed labor. I think if we would have had the proper publicity, the demand would have almost been equal to the supply.

Hoping that the wants of the Free Public Employment Office will be brought so clearly before the next legislature that proper allowance for advertising will be provided for the future, I am,

Yours truly,

SAMUEL COHN.

Superintendent.

REPORT OF FREE PUBLIC EMPLOYMENT OFFICE OF CLEVELAND FROM ITS ORGANIZATION JULY 1, 1890.

Year.	Males.			Females.			Applications filled.	
	Situations wanted.	Help wanted.	Positions secured.	Situations wanted.	Help wanted.	Positions secured.	For situations.	For help.
1890.....	2,532	3,189	1,333	1,277	1,231	847	per ct. 57½	per ct. 49½
1891.....	6,308	925	886	3,830	3,471	2,508	33½	77½
1892.....	3,645	1,162	920	3,539	4,577	2,664	49½	62½
1893.....	2,964	935	768	4,157	2,671	2,825	50½	99½
1894.....	2,942	283	273	3,517	2,065	1,846	32½	90½
1895.....	1,980	450	444	2,732	2,963	2,009	52	71½
1896.....	1,290	323	323	3,479	3,720	2,688	63	74½
1897.....	2,684	919	855	3,244	3,320	2,608	58½	81½
1898.....	3,725	1,269	1,084	3,870	3,361	2,562	48	78½
1899.....	3,173	1,037	657	1,350	1,640	1,051	37½	63½
1900.....	2,253	312	298	1,606	2,379	1,464	45½	65½
1901.....	3,384	3,264	2,108	2,765	3,069	1,947	66	64
1902.....	3,411	4,586	2,606	2,390	2,819	1,933	78½	61½
1903.....	3,238	4,141	2,566	2,324	2,852	2,131	84 2-5	67 1-5
1904, 1st quarter.....	391	197	166	392	432	329	63 1-5	78 7-10
1904, 2d quarter.....	420	384	242	521	585	436	72	70
1904, 3d quarter.....	480	412	344	630	657	548	80½	83 2-5
Total.....	44,820	23,788	15,873	41,623	41,812	30,396	53½	70½

REPORT OF FREE PUBLIC EMPLOYMENT OFFICE OF COLUMBUS FROM ITS ORGANIZATION SEPTEMBER 2, 1890.

Year.	Males.			Females.			Applications filled.	
	Situations wanted.	Help wanted.	Positions secured.	Situations wanted.	Help wanted.	Positions secured.	For situations.	For help.
1890.....	1,965	1,192	684	710	722	525	per ct. 45½	per ct. 63
1891.....	3,128	1,534	915	1,739	2,268	1,481	49½	63
1892.....	2,907	2,013	1,244	1,658	2,162	1,152	52½	57½
1893.....	3,219	1,142	1,165	2,060	1,879	1,165	44	77
1894.....	2,672	605	456	2,226	1,852	1,343	36½	73½
1895.....	2,887	725	499	2,187	2,353	1,590	41	67½
1896.....	3,422	700	585	2,476	2,350	1,928	42½	82½
1897.....	3,725	798	610	1,192	2,635	1,424	61½	89½
1898.....	3,872	746	593	652	3,135	2,889	77	89½
1899.....	3,161	982	564	1,891	3,642	2,140	53½	58½
1900.....	1,217	1,270	499	1,895	2,985	1,581	66½	48½
1901.....	1,181	1,022	828	1,586	2,919	1,592	87½	61½
1902.....	1,616	2,439	1,447	1,443	2,855	1,417	93 3-5	54
1903.....	1,875	2,145	1,760	1,493	2,735	1,355	92½	63 4-5
1904, 1st quarter.....	260	271	238	501	736	452	90 7-10	68½
1904, 2d quarter.....	374	455	361	507	769	448	91 4-5	66
1904, 3d quarter.....	496	525	488	511	682	473	95 2-5	79 3-5
Total.....	37,977	18,564	12,936	24,727	36,684	23,955	58 4-5	66½

REPORT OF FREE PUBLIC EMPLOYMENT OFFICE OF CINCINNATI FROM ITS ORGANIZATION JULY 25, 1890.

Year.	Males.			Females.			Applications filled.	
	Situations wanted.	Help wanted.	Positions secured.	Situations wanted.	Help wanted.	Positions secured.	For situations.	For help.
1890.....	4,763	2,803	1,830	1,818	2,787	1,126	per ct. 43½	per ct. 52½
1891.....	4,811	3,369	2,312	3,428	3,291	2,129	54	66½
1892.....	3,139	1,980	1,497	2,789	2,782	1,613	52½	65½
1893.....	3,740	1,344	933	2,536	2,531	1,541	46½	63½
1894.....	2,778	297	267	3,162	1,383	1,144	23½	84
1895.....	2,442	326	319	2,774	1,995	1,592	36½	82½
1896.....	1,821	262	237	2,180	1,568	1,230	36½	80
1897.....	1,399	163	160	1,606	905	764	30½	86½
1898.....	1,620	178	173	1,760	1,081	871	31	83
1899.....	2,249	433	409	1,835	1,888	1,149	38	67
1900.....	2,552	1,323	1,246	1,463	2,018	1,033	56½	68½
1901.....	2,423	1,527	1,305	2,101	2,802	1,646	65½	68½
1902.....	3,204	2,564	2,410	2,115	2,845	1,767	78½	77½
1903.....	3,528	3,020	2,871	1,970	3,024	1,631	81 9-10	74½
1904, 1st quarter.....	377	226	222	658	751	578	77 3-10	81 9-10
1904, 2d quarter.....	378	284	275	573	736	494	80 4-5	75 2-5
1904, 3d quarter.....	668	558	553	640	652	537	83½	90
Total.....	40,892	20,657	17,019	33,408	33,039	20,845	51	70½

REPORT OF FREE PUBLIC EMPLOYMENT OFFICE OF DAYTON FROM ITS ORGANIZATION JUNE 30, 1890.

Year.	Males.			Females.			Applications filled.	
	Situations wanted.	Help wanted.	Position secured.	Situations wanted.	Help wanted.	Position secured.	For situations.	For help.
1890.....	2,944	1,384	399	1,083	878	418	per ct. 20½	per ct. 31½
1891.....	3,351	1,386	790	2,118	2,004	1,119	34½	56½
1892.....	2,671	1,282	883	1,474	1,770	989	45	61½
1893.....	2,052	1,613	1,121	1,833	2,290	1,627	56½	70½
1894.....	2,657	800	777	3,761	2,447	1,934	36½	83½
1895.....	3,689	905	868	4,451	3,197	2,621	42½	85
1896.....	3,578	884	780	4,957	3,109	2,696	40½	87
1897.....	2,870	759	806	3,729	2,731	3,015	58	109½
1898.....	2,475	927	930	3,138	3,038	2,937	68½	97½
1899.....	4,114	2,192	2,030	3,065	5,360	2,193	58½	56
1900.....	3,113	2,507	1,701	2,691	4,385	1,954	63	53
1901.....	3,221	2,684	1,931	2,887	5,792	2,135	66½	48
1902.....	3,931	4,472	3,147	2,491	7,194	2,080	81 2-5	44 4-5
1903.....	3,449	3,793	2,982	2,185	7,163	2,026	88 9-10	45 7-10
1904, 1st quarter.....	440	340	335	602	1,082	563	86 1-5	63 1-5
1904, 2d quarter.....	691	615	602	581	1,499	548	90 2-5	54 2-5
1904, 3d quarter.....	509	495	453	551	1,080	522	92	61 9-10
Total.....	47,755	27,038	20,535	41,597	55,019	29,377	55 4-5	60 3-5

REPORT OF FREE PUBLIC EMPLOYMENT OFFICE OF TOLEDO FROM ITS ORGANIZATION JUNE 26, 1890.

Year.	Males.			Females.			Applications filled.	
	Situations wanted.	Help wanted.	Position secured.	Situations wanted.	Help wanted.	Position secured.	For situations.	For help.
1890.....	2,334	2,885	1,329	719	1,083	497	per ct. 59 1/2	per ct. 46
1891.....	3,859	2,481	2,064	1,799	2,479	1,391	61	69
1892.....	3,160	1,790	1,361	1,964	2,654	1,422	54 1/2	62 1/2
1893.....	2,194	792	579	2,099	2,032	1,477	47 1/2	72
1894.....	2,472	441	367	1,950	1,693	1,359	39	80
1895.....	3,167	645	547	1,649	1,659	1,236	37	77
1896.....	2,557	879	836	1,937	1,885	1,616	54 1/2	88
1897.....	2,481	1,650	1,481	2,327	2,233	4,324	96 1/2	82
1898.....	2,426	1,378	1,240	2,471	5,532	4,407	96	81
1899.....	2,562	1,572	1,398	2,745	5,151	3,398	90 1/2	71
1900.....	1,944	1,196	970	2,121	4,062	2,598	87	67
1901.....	2,426	3,230	1,983	1,349	1,965	1,362	88 1/2	64 1/2
1902.....	3,995	3,913	2,704	2,372	2,926	1,917	72 3-5	67 3-5
1903.....	3,777	3,950	2,726	1,832	2,315	1,639	77 4-5	69 7-10
1904, 1st quarter.....	381	148	104	235	364	181	46 1/2	55 7-10
1904, 2d quarter.....	633	623	475	356	580	285	76 4-5	63
1904, 3d quarter.....	542	569	460	257	339	177	79 1/2	70 1-5
Total.....	40,910	28,142	20,633	30,382	41,951	29,286	70	71 1-5

SUMMARY.

FROM REPORTS OF THE FIVE OFFICES, WITH POPULATION OF CITIES IN WHICH OFFICES ARE LOCATED.

Cities.	Population.	Males and Females.			Applications filled.	
		Situations wanted.	Help wanted.	Position secured.	For situations.	For help.
Cleveland.....	381,768	86,443	65,600	46,269	per ct. 53 1-2	per ct. 70 1-2
Columbus.....	125,560	62,704	55,248	36,891	58 4-5	66 3-4
Cincinnati.....	325,902	74,300	53,696	37,864	51	70 1-2
Dayton.....	85,333	89,352	82,057	49,912	55 4-5	60 3-5
Toledo.....	131,822	71,292	70,093	49,919	70	71 1-5
Grand total.....	1,050,385	384,091	325,794	220,855	57 1-2	67 3-4

EXPENSE REPORTS.

Giving itemized statement of expenses of the Free Public Employment Offices of the State for the year ending October 31, 1904.

CLEVELAND OFFICE.

Rent, janitor and heat.....	300 00	
Laundry service.....	7 20	
Postage.....	5 66	
Telephone rent (Bell).....	48 00	
Telephone rent (Cuyahoga).....	36 00	
Toll service.....	18 36	
City directory.....	7 00	
Incidentals.....	1 55	
Furniture, repairs and advertising.....	59 65	
Total.....		\$483 42

COLUMBUS OFFICE.

Rent.....	\$240 00	
Janitor service.....	52 00	
Laundry service.....	12 00	
Postage.....	12 35	
Ice.....	6 50	
Gas.....	16 50	
Telephone rent (Citizen and Bell).....	82 00	
City directory.....	5 00	
Incidentals.....	50	
Furniture, repairs and advertising.....	45 40	
Total.....		\$472 25

CINCINNATI OFFICE.

Rent.....	\$280 00	
Janitor service.....	60 00	
Laundry service.....	6 00	
Gas.....	75	
Coal.....	15 00	
Postage.....	7 00	
Ice.....	7 65	
Telephone rents.....	72 00	
City directory.....	7 00	
Office supplies.....	9 00	
Incidentals (moving, etc.).....	18 30	
Furniture, repairs and advertising.....	11 70	
Total.....		\$494 40

DAYTON OFFICE.

Rent.....	\$240 00	
Janitor service.....	36 00	
Laundry service.....	9 00	
Gas.....	2 39	
Postage.....	10 00	
Telephone rent (Bell and Home).....	82 00	
City directory.....	5 00	
Incidentals.....	6 14	
Furniture, repairs and advertising.....	59 00	
Total.....		\$449 53

TOLEDO OFFICE.

Rent, janitor and heat.....	\$312 00	
Laundry service.....	9 00	
Gas.....	8 38	
Postage.....	14 50	
Telephone rent (Bell and Home).....	90 00	
City directory.....	5 00	
Ice.....	7 60	
Incidentals.....	1 96	
Furniture, repairs and advertising.....	62 00	
Total.....		\$510 44
Total expenditures for the year.....		\$2,410 04

TABULATED REPORTS OF EMPLOYMENT OFFICES.

TABLE I—CLEVELAND OFFICE.

Giving Number of Situations Wanted, Help Wanted, and Positions Secured from
October 29th, 1903, to October 27th, 1904, Inclusive.

Week ending—		Males.			Females.		
		Situations Wanted.	Help Wanted.	Positions Secured.	Situations Wanted.	Help Wanted.	Positions Secured.
November 1903							
	5.....	18	2	2	48	49	39
	12.....	34	25	25	28	25	24
	19.....	59	1	1	26	28	25
	26.....	45	26	25	35	38	32
December							
	3.....	50	46	41	33	29	27
	10.....	35	4	4	27	23	20
	17.....	21	3	3	17	18	13
	24.....	28	14	14	16	15	15
	31.....	18	10	10	12	11	10
January 1904							
	7.....	25	13	13	21	24	16
	14.....	19	.....	.....	37	38	32
	21.....	30	21	14	24	28	23
	28.....	25	21	18	20	23	20
February							
	4.....	10	1	1	22	23	19
	11.....	5	1	.....	10	21	10
	18.....	27	28	18	18	25	16
	25.....	20	.....	.....	25	35	18
March							
	3.....	34	5	4	44	42	36
	10.....	55	31	30	52	53	42
	17.....	59	24	24	36	37	29
	24.....	40	19	18	47	50	40
	31.....	42	33	26	36	33	28
April							
	7.....	25	19	17	45	55	36
	14.....	35	124	24	65	73	59
	21.....	31	13	12	58	64	53
	28.....	30	42	16	27	39	23
May							
	5.....	31	18	15	37	32	26
	12.....	43	25	25	27	37	24
	19.....	35	26	23	46	54	38
	26.....	33	14	14	57	58	44
June							
	2.....	25	15	14	23	34	22
	9.....	29	15	13	30	26	24
	16.....	39	27	26	39	38	34
	23.....	41	31	31	46	49	37
	30.....	23	15	12	21	26	16

TABLE I—CLEVELAND OFFICE—Concluded.

Week ending—		Males.			Females.		
		Situations Wanted.	Help Wanted.	Positions Secured.	Situations Wanted.	Help Wanted.	Positions Secured.
July	7.....	30	23	23	33	31	34
	14.....	46	33	31	76	81	60
	21.....	31	14	14	41	45	37
	28.....	46	25	25	28	33	24
August	4.....	39	67	32	36	40	31
	11.....	30	26	22	38	47	34
	18.....	38	35	29	60	52	46
	25.....	44	27	27	45	35	34
September	1.....	49	35	34	35	39	34
	8.....	26	28	26	45	53	43
	15.....	36	41	29	84	88	76
	22.....	36	28	28	52	61	49
	29.....	29	30	24	57	52	46
October	6.....	30	43	22	41	44	39
	13.....	19	17	15	48	56	41
	20.....	46	67	39	40	43	31
	27.....	37	42	32	46	48	41
Totals.....		1,731	1,293	985	1,960	2,101	1,670

TABLE II—COLUMBUS OFFICE.

Giving Number of Situations Wanted, Help Wanted, and Positions Secured from October 29th, 1903, to October 27th, 1904, Inclusive.

Week ending—		Males.			Females.		
		Situations Wanted.	Help Wanted.	Positions Secured.	Situations Wanted.	Help Wanted.	Positions Secured.
1903							
November	5.....	10	12	10	30	39	28
	12.....	25	25	24	17	34	13
	19.....	51	41	29	31	45	26
	26.....	17	17	14	36	46	29
December							
	3.....	23	25	20	35	42	29
	10.....	38	47	36	43	47	39
	17.....	24	20	20	41	44	34
	24.....	16	18	15	31	40	27
	31.....	17	18	16	31	47	30
1904							
January	7.....	15	17	13	39	41	35
	14.....	12	11	11	42	53	38
	21.....	22	23	22	34	46	30
	28.....	14	14	13	30	37	28
February							
	4.....	12	16	12	35	48	29
	11.....	16	23	14	40	59	32
	18.....	16	14	14	32	47	28
	25.....	15	13	14	44	68	41
March							
	3.....	23	18	19	50	67	49
	10.....	33	34	31	36	56	33
	17.....	35	33	31	46	77	41
	24.....	30	34	28	40	76	37
	31.....	17	21	16	33	61	31
April..							
	7.....	23	23	22	29	55	25
	14.....	36	42	32	41	74	35
	21.....	32	34	30	33	55	29
	28.....	24	31	24	39	64	35
May							
	5.....	21	25	21	45	65	39
	12.....	49	75	47	39	75	37
	19.....	20	28	20	36	44	30
	26.....	12	19	11	36	67	30
June							
	2.....	81	94	80	45	58	40
	9.....	24	25	23	32	55	30
	16.....	17	17	16	52	55	44
	23.....	16	22	16	37	50	35
	30.....	19	20	19	43	52	39
July							
	7.....	10	8	10	34	38	33
	14.....	26	22	22	48	53	44
	21.....	80	83	79	41	53	36
	28.....	66	70	66	36	39	34

TABLE II—COLUMBUS OFFICE—Concluded.

Week ending—		Males.			Females.		
		Situations Wanted.	Help Wanted.	Positions Secured.	Situations Wanted.	Help Wanted.	Positions Secured.
August	4.....	21	21	21	38	45	33
	11.....	9	11	9	33	42	29
	18.....	25	27	24	37	54	36
	25.....	19	19	19	40	56	37
September	1.....	69	77	69	33	73	32
	8.....	16	26	16	36	42	35
	15.....	69	66	68	44	54	41
	22.....	24	28	23	37	57	33
	29.....	62	67	62	54	76	50
October	6.....	48	69	48	42	67	40
	13.....	26	46	26	55	66	51
	20.....	24	27	22	38	52	34
	27.....	30	30	30	27	55	26
Totals.....		1,479	1,646	1,397	1,976	2,811	1,779

TABLE III—CINCINNATI OFFICE.

Giving Number of Situations Wanted, Help Wanted, and Positions Secured from October 29th, 1903, to October 27th, 1904, Inclusive.

Week ending—		Males.			Females.		
		Situations Wanted.	Help Wanted.	Positions Secured.	Situations Wanted.	Help Wanted.	Positions Secured.
1903							
November	5.....	20	10	10	36	64	26
	12.....	30	16	17	52	72	43
	19.....	13	10	7	51	59	35
	26.....	15	6	6	30	33	22
December							
	3.....	15	4	4	48	63	44
	10.....	28	14	14	43	42	39
	17.....	22	10	10	53	49	47
	24.....	19	13	13	32	29	24
	31.....	23	14	14	42	41	36
1904							
January	7.....	17	9	9	66	64	60
	14.....	27	9	9	68	73	64
	21.....	12	2	2	60	60	47
	28.....	41	33	32	50	53	46
February							
	4.....	18	4	4	42	53	36
	11.....	37	19	19	51	52	43
	18.....	36	24	24	58	73	53
	25.....	44	38	38	36	43	29
March							
	3.....	25	6	6	44	51	40
	10.....	32	21	21	56	61	48
	17.....	24	14	13	41	49	32
	24.....	31	20	20	50	61	47
	31.....	33	27	25	36	58	33
April							
	7.....	34	20	19	45	71	41
	14.....	28	25	23	42	68	35
	21.....	13	8	8	42	51	30
	28.....	30	21	21	33	48	26
May							
	5.....	35	29	29	33	52	29
	12.....	52	45	42	49	60	43
	19.....	16	12	9	38	48	33
	26.....	39	30	30	33	56	26
June							
	2.....	16	10	10	41	51	39
	9.....	27	20	20	53	72	49
	16.....	17	11	11	68	71	64
	23.....	34	27	27	52	49	43
	30.....	37	26	26	44	39	36
July							
	7.....	11	3	2	20	17	16
	14.....	20	15	15	55	51	46
	21.....	34	25	25	43	39	37
	28.....	17	7	7	49	44	41

TABLE III—CINCINNATI OFFICE—Concluded.

Week ending—		Males.			Females.		
		Situations Wanted.	Help Wanted.	Positions Secured.	Situations Wanted.	Help Wanted.	Positions Secured.
August	4.....	39	33	31	52	46	40
	11.....	36	22	22	38	31	25
	18.....	36	27	27	48	41	37
	25.....	35	28	27	49	56	39
September	1.....	186	177	176	43	52	37
	8.....	27	22	22	45	58	43
	15.....	168	157	157	66	76	59
	22.....	19	11	11	55	54	47
	29.....	40	31	31	77	87	70
October	6.....	62	48	48	57	80	48
	13.....	12	9	6	43	60	31
	20.....	17	10	10	56	60	49
	27.....	51	38	38	50	56	45
Totals.....		1,750	1,270	1,247	2,464	2,847	2,098

TABLE IV—DAYTON OFFICE.

Giving Number of Situations Wanted, Help Wanted, and Positions Secured from October 29th, 1903, to October 27th, 1904, Inclusive.

Week ending—		Males.			Females.		
		Situations Wanted.	Help Wanted.	Positions Secured.	Situations Wanted.	Help Wanted.	Positions Secured.
1903							
November	5.....	46	41	38	57	116	54
	12.....	64	62	57	52	121	51
	19.....	46	45	41	44	126	42
	26.....	33	28	26	57	112	55
December	3.....	60	57	56	43	102	40
	10.....	44	38	7	46	91	46
	17.....	66	60	60	40	80	36
	24.....	25	19	19	26	74	24
	31.....	50	51	46	27	71	27
1904							
January	7.....	33	27	26	31	88	27
	14.....	27	18	18	63	81	56
	21.....	36	13	13	63	68	40
	28.....	24	18	18	53	67	51
February	4.....	31	24	24	33	52	30
	11.....	34	26	26	56	84	53
	18.....	29	24	24	48	81	47
	25.....	31	23	23	33	70	30
March	3.....	40	36	33	50	89	47
	10.....	43	39	39	47	96	44
	17.....	33	28	28	44	96	43
	24.....	36	29	28	54	100	50
	31.....	43	35	35	47	110	45
April	7.....	46	41	41	57	110	57
	14.....	27	25	22	50	111	49
	21.....	42	36	36	48	111	45
	28.....	31	28	28	33	100	29
May	5.....	53	46	46	37	115	34
	12.....	93	86	85	49	124	47
	19.....	79	69	69	48	133	43
	26.....	54	47	45	36	121	35
June	2.....	68	61	60	35	121	32
	9.....	74	66	66	55	119	54
	16.....	56	50	49	47	117	43
	23.....	34	28	28	43	113	40
	30.....	34	32	27	43	104	40
July	7.....	40	35	34	37	95	34
	14.....	27	21	21	47	87	44
	21.....	33	30	29	44	81	40
	28.....	35	30	30	42	78	41

TABLE IV—DAYTON OFFICE—Concluded.

Week ending—		Males.			Females.		
		Situations Wanted.	Help Wanted.	Positions Secured.	Situations Wanted.	Help Wanted.	Positions Secured.
August	4.....	35	24	24	42	76	39
	11.....	22	38	16	29	62	27
	18.....	28	31	26	23	58	22
	25.....	40	37	37	50	76	46
September	1.....	55	51	51	48	78	46
	8.....	23	26	22	41	85	38
	15.....	70	74	67	46	96	45
	22.....	58	56	55	55	108	54
	29.....	43	42	41	47	100	46
October	6.....	74	75	72	42	111	47
	13.....	80	80	78	49	106	47
	20.....	52	50	49	38	100	31
	27.....	42	41	41	48	89	45
Totals.....		2,322	2,097	2,010	2,303	4,960	2,178

TABLE V—TOLEDO OFFICE.

Giving Number of Situations Wanted, Help Wanted, and Positions Secured from October 29th, 1903, to October 27th, 1904, Inclusive.

Week ending—		Males.			Females.		
		Situations Wanted.	Help Wanted.	Positions Secured.	Situations Wanted.	Help Wanted.	Positions Secured.
1903							
November	5.....	29	38	21	23	23	22
	12.....	28	27	16	33	26	29
	19.....	97	160	94	14	21	10
	26.....	27	6	15	24	20	15
December	3.....	37	5	....	19	31	8
	10.....	36	6	2	22	40	14
	17.....	24	2	....	12	20	11
	24.....	48	2	4	21	26	15
	31.....	23	5	4	24	24	14
1904							
January	7.....	14	1	.....	29	22	21
	14.....	40	14	11	25	12	17
	21.....	40	10	5	14	24	8
	28.....	11	1	.....	9	16	8
February	4.....	34	27	19	12	21	7
	11.....	26	13	8	18	25	15
	18.....	32	5	2	17	20	11
	25.....	25	3	3	18	24	15
March	3.....	41	17	14	14	35	11
	10.....	30	23	16	22	47	17
	17.....	26	7	2	23	33	21
	24.....	32	9	7	17	38	12
	31.....	30	18	17	17	47	18
April	7.....	38	28	24	37	60	29
	14.....	43	29	24	28	56	17
	21.....	46	28	27	24	43	20
	28.....	46	35	35	23	38	21
May	5.....	44	30	23	29	39	25
	12.....	41	31	22	26	50	24
	19.....	45	57	32	22	45	21
	26.....	47	63	40	27	47	25
June	2.....	40	75	36	19	41	16
	9.....	90	96	82	27	59	21
	16.....	53	59	45	30	37	25
	23.....	52	48	45	29	26	23
	30.....	48	44	40	35	39	18
July	7.....	43	45	38	20	25	17
	14.....	34	66	25	25	24	10
	21.....	35	35	28	23	23	15
	28.....	45	41	40	23	19	11

TABLE V—TOLEDO OFFICE—Concluded.

Week ending—		Males.			Females.		
		Situations Wanted.	Help Wanted.	Positions Secured.	Situations Wanted.	Help Wanted.	Positions Secured.
August	4.....	33	26	25	28	17	20
	11.....	58	64	53	25	20	17
	18.....	65	71	56	22	20	13
	25.....	46	38	38	17	45	17
September	1.....	47	47	43	6	23	7
	8.....	29	41	27	13	31	9
	15.....	38	35	33	19	35	13
	22.....	35	28	27	15	24	11
	29.....	34	32	27	21	33	17
October	6.....	37	31	28	25	19	15
	13.....	35	28	20	19	27	15
	20.....	72	151	66	23	37	19
	27.....	49	106	45	19	26	15
Totals.....		2,098	1,907	1,354	1,126	1,623	845

CHRONOLOGY OF BUREAUS.

State.	When organized.	Chief Officers.	Incumbency.	
			Date.	Yr.
United States.....	1884	Carroll D. Wright.....	1885	18
Arkansas.....	1889	M. F. Locke.....	1889-1893	4
		W. G. Vincenheller.....	1893-1899	5
		Frank Hill.....	1899	4
California.....	1883	John S. Enos.....	1883-1887	4
		John J. Tobin.....	1887-1891	4
		George W. Walz.....	1891-1895	4
		E. L. Fitzgerald.....	1895-1899	4
		F. V. Meyers.....	1899	2
Colorado.....	1887	C. J. Driscoll.....	1887-1889	2
		John W. Lockin.....	1889-1891	2
		Lester Bodine.....	1891-1893	2
		J. W. Brentlinger.....	1893-1895	2
		W. H. Klett.....	1895-1899	4
		Peter Jennings.....	1899	1
		Jas. T. Smith.....	1899	4
Connecticut.....	1873	James F. Babcock.....	1873-1874	1
		Samuel J. Starr.....	1874-1875	1
		Arthur T. Hadley.....	1885-1887	2
		Samuel M. Hotchkiss.....	1887-1893	6
		Robert J. Vance.....	1893-1895	2
		S. B. Horne.....	1895-1899	4
		Harry E. Back.....	1899	4
Idaho.....	1895	J. A. Cizek.....	1895	6
Illinois.....	1879	F. H. B. McDowell.....	1879-1881	2
		John S. Lord.....	1881-1893	12
		George A. Schilling.....	1893-1897	4
		David Ross.....	1897	6
Indiana.....	1879	John Collett.....	1879-1881	2
		John B. Conner.....	1881-1883	2
		William A. Peele, Jr.....	1883-1895	12
		Simeon J. Thompson.....	1895-1897	2
		John B. Conner.....	1897-1901	4
		E. F. Johnson.....	1901	2
Iowa.....	1884	E. R. Hutchins.....	1884-1890	6
		J. R. Sovereign.....	1890-1894	4
		W. E. O'Brieness.....	1894-1900	6
		C. F. Wennerstrum.....	1900-1902	2
		E. D. Brigham.....	1902	.....
Kansas.....	1885	Frank H. Betton.....	1885-1893	.....
		J. E. Todd.....	1893-1895	2
		Wm. G. Bird.....	1895-1897	2
		W. L. A. Johnson.....	1897	6
Kentucky.....	1876	C. E. Bowman.....	.....	.....
		C. Y. Wilson.....	.....	.....
		Nicholas McDowell.....	1892-1896	4
		Lucas Moore.....	1896	7
Louisiana.....	1900	Thos. Harrison.....	1900	3
Maine.....	1887	Samuel W. Matthews.....	1887	16
Maryland.....	1884	Thos. C. Weeks.....	1884-1892	8
		Allen B. Howard, Jr.....	1892-1896	4
		Charles H. Myers.....	1896-1898	2
		J. D. Wade.....	1898-1900	2
		Thos. A. Smith.....	1900	3
Massachusetts.....	1869	Henry K. Oliver.....	1869-1873	4
		Carroll D. Wright.....	1873-1888	15
		Horace G. Wadlin.....	1888-1903	15
		C. P. Pidgin.....	1903	.....
Michigan.....	1883	John W. McGrath.....	1883-1885	2
		C. V. R. Pond.....	1885-1887	2
		A. H. Heath.....	1887-1891	4
		Henry A. Robinson.....	1891-1893	2
		Charles H. Morse.....	1893-1897	4
		Joseph L. Cox.....	1897-1901	4
		Scott Griswold.....	1901	2
Minnesota.....	1887	John Lamb.....	1887-1891	4
		J. P. McGaughey.....	1891	.....
		L. G. Powers.....	1891-1899	8
		Martin F. McHale.....	1899-1901	2
		John O'Donnell.....	1901	2
Missouri.....	1879	W. H. Hilkene.....	1880-1882	2
		H. J. Spaunhorst.....	1882-1883	1
		H. A. Newman.....	1883-1885	2
		Oscar Kochitzky.....	1885-1889	4
		Lee Meriwether.....	1889-1891	2
		Willard C. Hall.....	1891-1893	2

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State.	When organ- ized.	Chief Officers.	Incumbency.	
			Date.	Yr.
Missouri.....		Henry Blackmore.....	1893-1895	2
		Lee Meriwether.....	1895-1897	2
		Arthur Rozelle.....	1897-1899	2
		Thos. P. Rixey.....	1899-1901	2
Montana.....	1893	Wm. Anderson.....	1901	3
		James H. Mills.....	1893-1897	4
		J. H. Calderhead.....	1897-1901	4
		J. A. Ferguson.....	1901	3
Nebraska.....	1887	John Jenkins.....	1887-1890	2
		Philip Andres.....	1891-1893	2
		J. B. Erion.....	1893-1895	2
		J. H. Powers.....	1895-1897	2
		S. J. Kent.....	1897-1900	3
		C. E. Watson.....	1900	3
New Jersey.....	1878	James Bishop.....	1878-1893	15
		Charles H. Simmerman.....	1893-1898	5
		William Stainsby.....	1898-1903	5
		W. C. Garrison.....	1903	3
New Hampshire.....	1893	John W. Bourlett.....	1893-1896	3
		Julian F. Trask.....	1896-1899	3
		Lysander H. Carroll.....	1899	4
New York.....	1883	Charles F. Peek.....	1883-1893	10
		Thomas J. Dowling.....	1893-1896	3
		John T. McDonough.....	1896-1899	3
		John McMakin.....	1899	4
North Carolina.....	1887	W. N. Jones.....	1887-1889	2
		John C. Scarborough.....	1889-1893	4
		B. R. Lacey.....	1893-1897	4
		James Y. Hamrick.....	1897-1899	2
		H. B. Varner.....	1901	2
North Dakota.....	1889	H. T. Helgesen.....	1889-1893	4
		Nelson Williams.....	1893-1895	2
		A. H. Laughlin.....	1895-1897	2
		H. U. Thomas.....	1897	6
Ohio.....	1877	Harry J. Walls.....	1877-1881	4
		Henry Luskey.....	1881-1885	4
		L. McHugh.....	1885-1887	2
		A. D. Fasset.....	1887-1890	3
		John McBride.....	1890-1892	2
		W. T. Lewis.....	1892-1896	4
		William Ruehrwein.....	1896-1898	2
		John P. Jones.....	1898-1900	2
Pennsylvania.....	1872	M. D. Ratchford.....	1900	4
		Thomas J. Bigham.....	1872-1875	3
		W. H. Grier.....	1875-1879	4
		M. S. Humphreys.....	1879-1883	4
		Joel B. McCamant.....	1883-1887	4
		Albert S. Rolles.....	1887-1895	8
		James M. Clark.....	1895-1903	8
		Robt. C. Bair.....	1903	3
Rhode Island.....	1887	Josiah B. Bowditch.....	1887-1889	2
		Almon K. Goodwin.....	1889-1893	4
		Henry E. Tieple.....	1893	10
*South Dakota.....	1890	Frank Wilder.....	1890-1891	1
		Robert A. Smith.....	1891-1893	2
		Walter McKay.....	1893-1895	2
		S. A. Wheeler.....	1895	8
Tennessee.....	1891	George W. Ford.....	1891-1893	2
		John E. Lloyd.....	1893-1895	2
		F. P. Clute.....	1895-1896	1
		A. H. Wood.....	1896-1897	1
		A. D. Hargis.....	1897-1899	2
		R. A. Schieffelt.....	1899	4
Texas.....		Chas. H. Huberich.....	.....	.....
*Utah.....	1890	Joseph P. Bache.....	1890	8
Virginia.....	1898	A. P. Montague.....	1898-1900	2
		James B. Doherty.....	1900	1
Washington.....	1897	W. C. P. Adams.....	1897-1901	4
		Wm. Blackman.....	1901	2
Wisconsin.....	1883	Frank A. Flower.....	1883-1889	6
		H. M. Stark.....	1889-1891	2
		J. Dobbs.....	1891-1895	4
		Halford Erickson.....	1895	8
West Virginia.....	1889	Edward Robinson.....	1889-1893	4
		John N. Sydensticker.....	1893-1897	4
		I. V. Barton.....	1897	4

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Morgan	548
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